

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERs, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
5	KHULNA ...	2.28	5½	4½	Transplantation of <i>aman</i> paddy is going on. <i>Aman</i> seedlings and newly transplanted <i>aman</i> are recovering from the damage caused in early part of the month. Condition and prospects of jute are good; the effects of the weather on the growth of the crop are good. No damage. Harvesting is going on. Cattle disease is reported from Kaliganj and Protapnagar police-stations. Fodder is being damaged to some extent in Satkhira subdivision on accounts of heavy rain. Water is sufficient.
	Satkhira ...	1.09	5	5	
	Bagerhat ...	2.38	4½	4½	
6	BURDWAN ...	0.46	4½	5	Weather cloudy. Transplanting of <i>aman</i> paddy is nearly finished and weeding of <i>aman</i> paddy is progressing. <i>Aus</i> paddy and sugarcane are doing well. Harvesting of jute is progressing. The prices are abnormally high on account of export. Non-agricultural middle class people feel the strain. Cattle-disease is reported from Galsi and Sahebganj.
	Asansol ...	2.09	4½	5	
	Katwa ...	1.45	4½	5½	
	Kalna ...	0.65	4	4½	
7	BIRBHUM ...	1.60	5	5	Transplantation continues. Prospects of standing crops are favourable. Fodder and water are sufficient. A sum of Rs. 200 has been given as agricultural loan
	Rampurhat ...	1.18	4½	4½	
8	BANKURA ...	3.38	5	5½	Transplantation of paddy is finished. Prospects of standing crops are good. Export of rice and paddy continues.
	Vishnupur ...	2.33	5½	4½	
9	MIDNAPORE	4.68	5½ <sup>1</sup> / <sub>2</sub>	5½	Transplantation of winter rice is progressing. Condition and prospects of jute, autumn rice, <i>bhadoi til</i> are fair. Cattle-disease is reported from Contai, Bahiri and Khajri thanas.
	Ghatal ...	3.90	4½ <sup>1</sup> / <sub>8</sub>	5½ <sup>5</sup> / <sub>8</sub>	
	Tamluk ...	2.02	5	6	
	Contai ...	3.23	5½	5½	
10	HOOGHLY ...	0.61	4½	4½ <sup>7</sup> / <sub>8</sub>	Price of rice is rising. Condition and prospects of jute are good. Effects of weather are favourable. Harvesting is going on. Damage by insect-pests is reported from Sadar and Serampore subdivisions. Fodder is sufficient.
	Serampore ...	0.74	4½	5½ <sup>5</sup> / <sub>8</sub>	
	Arambagh ...	3.25	5½	5½	
11	HOWRAH ...	4.96	4	5	Weather rainy. Condition of sugarcane is good. Transplantation of <i>aman</i> paddy is almost over. Condition of jute is good. Slight damage by insects has been done in Singti and Amta thanas. Harvesting of jute continues in low lands. Fodder is sufficient.
	Ulubaria ...	2.99	5½	5½	
12	RAJSHAHI (RAMPUR-BOALIA).	2.42	4½	4½	The prospects of jute and other standing crops are favourable. Harvesting of jute and <i>aus</i> paddy and transplantation of winter rice continue. Fodder is sufficient.
	Nãogaon ...	2.43	4½	4½	
	Nator ...	1.40	4½	4½	

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		Inches			
13	DINAJPUR ...	2.75	4½	4½	Weather is favourable to standing crops at Sadar and Balurghat subdivisions. More rain is wanted for transplantation of <i>aman</i> paddy in Thakurgaon subdivision. Rice market is daily rising owing to large export.
	Thakurgaon	1.29	5	5	
	Balurghat ...	2.41	4½	4½	
14	JALPAIGURI	0.53	5	5	Weather hot. Prospects of standing crops are fair. More rain is badly wanted for transplantation of winter rice and washing of jute. Fodder and water are sufficient.
	Alipur ...	1.25	4	4½	
15	DARJEELING	7.02	4½	4½	Harvesting of potatoes, maize and cardamom continues. Condition and prospects of jute are fair. Effects of weather on the growth of jute are fair. No damage. Harvesting and steeping of jute continue. Transplanting of autumn paddy is going on. The supply of fodder and water is sufficient. Stock of food-grains is insufficient.
	Kurseong ...	6.68	4½	4½	
	Siliguri ...	3.00	4	4	
	Kalimpong ...	3.15	5½	(n)	
16	RANGPUR ...	1.99	4½	4½	Weather hot and cloudy. Cutting of jute and harvesting of <i>aus</i> paddy continue. The condition and prospects of jute are good. Transplanting of winter rice and steeping and washing of jute are retarded for want of sufficient rain. More rain is badly needed. Weather is not favourable for winter rice. Fodder and water are sufficient. Cattle-disease is subsiding at Nilphamari subdivision.
	Nilphamari	1.78	4	4½	
	Kurigram ...	2.05	4½	4½	
	Gaibandha ...	0.98	4½	4½	
17	BOGRA ...	3.81	4½	4½	Harvesting of <i>aus</i> paddy and jute and transplanting of winter paddy are progressing. Progress of steeping and washing of jute is retarded for low flood. Condition of broadcast <i>aman</i> paddy in eastern part of the district is not favourable.
18	PABNA ...	3.93	5	5	<i>Aus</i> paddy has been harvested. Harvesting of jute continues. Water is insufficient for steeping of jute. The prospect of <i>aman</i> paddy is fair in Sadar and bad in Sirajganj subdivisions. Supply of fodder is tolerable.
	Sirajganj ..	2.87	4	4	

(n) Not reported.



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1	2	3	4	5	6
		Inches			
19	MALDA ...	6.81	4½	5	Rain is wanted in Kharba thana for paddy. Prospects of jute are fair. No damage to crop is reported. Harvesting has commenced in places. Fodder and water are sufficient. Cattle-disease is reported from Bholahat and Shibganj thanas. The price of food-grains is rising.
20	COOCH BEHAR	1.60	7½	(n)	Weather hot with occasional showers. More rain is wanted for transplantation of <i>haimanti</i> paddy seedlings and steeping and washing of jute. Harvesting of <i>bitri</i> paddy continues. Fodder is sufficient. Cattle-disease is reported from Mathabhanga subdivision.
21	DACCA ...	4.01	3½	4	Weather seasonable and beneficial to standing crops. Prospects of jute and <i>aman</i> paddy are good and a good out-turn is expected. The rise of river level is benefitting broadcast and transplanted paddy.
	Manikganj...	1.94	4	4	
	Narayanganj	4.14	{ 3½ to 3½ }	4	
	Munshiganj*	(n)	(n)	(n)	
22	MYMENSINGH*	2.54	3½	3½	Weather hot with occasional showers. More rain is badly wanted. Transplanting of winter paddy and steeping of jute are impeded for want of rain. Harvesting of jute and <i>aus</i> paddy continue slowly. Prospects of crops are fair, but growth is affected. Fodder is sufficient, but insufficiency of water is feared.
	Jamalpur ...	2.73	3½	4	
	Tangail ...	(n)	(n)	4½	
	Netrakona ...	4.04	3½	3½	
	Kishorganj...	12.64	3½	4	
23	FARIDPUR ...	4.45	3½	4½	Weather is favourable to the standing crops. Harvesting of jute is progressing. Insufficiency of stock is reported from Gopalganj. The prices are rising. Fodder is available.
	Goalundo ...	3.61	4½	5½	
	Madaripur ...	1.36	4	4½	
	Gopalganj†...	1.66	4	4½	
24	BAKARGANJ (BARISAL).	2.30	3½	{ 4½ to 5½ }	Prospects of jute are good and those of other crops fair. Weather is favourable to jute. No damage done to the crop. Harvesting is nearly finished. Fodder is sufficient.
	Pirojpur ...	1.88	3½	4½	
	Patuakhali...	5.94	3½	{ 4½ to 5½ }	
	Dakshin Shabazpur (Bhola).	6.88	3½	(n)	

\* Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district rainfall figures for Kapasia thana are reported here.

† The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

‡ *Aus* rice.

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		Inches			
25	CHITTAGONG	6.79	4½	4½	Prospects of standing crops are good. Cultivation of <i>aman</i> paddy is going on. Harvesting of <i>aus</i> crop is progressing. <i>Panga</i> salt is selling at 9 seers per rupee both at Sadar and Cox's Bazar. Fodder is sufficient.
	Cox's Bazar	7.70	4½	4½	
26	TIPPERA (COMILLA).	7.79	4½	4	The prospects of <i>aus</i> paddy are fair and those of jute are good. Harvesting of jute and <i>aus</i> paddy is going on. Recent rainfall has been favourable to transplantation in general and to the growth of <i>barshall</i> paddy in Brahmanbaria subdivision: 145 men and 9 children worked daily on an average for eradicating water hyacinth in Brahmanbaria subdivision. The price of rice is very high and that of jute is falling.
	Brahmanbaria.	4.71	4	3½ <sup>1</sup> / <sub>8</sub>	
	Chandpur ...	4.34	4½	4½	
27	NOAKHALI ...	4.76	3½ <sup>3</sup> / <sub>8</sub>	4½	Weather seasonable. Prospects of standing crops are good. Transplantation of <i>aman</i> paddy. Prospects of jute and effects of weather on its growth are fair in Sadar and good in Feni subdivision. Harvesting continues. Fodder sufficient.
	Feni ...	2.97	{ 3½ <sup>3</sup> / <sub>8</sub> 4½ <sup>7</sup> / <sub>8</sub> *	3½ <sup>3</sup> / <sub>8</sub> 4½ <sup>7</sup> / <sub>8</sub> *	
28	CHITTAGONG HILL TRACTS.	5.38	5	5	Prospects of <i>jhum</i> crops are good. Rainfall is insufficient for high land paddy. Fodder is sufficient.

\* *Aus* rice.

J. C. ROY,  
for Director of Agriculture, Bengal.

Dacca, the 1st September 1919.



**List of prices of articles of food in Calcutta for the week ending,  
Saturday, the 30th August 1919.**

Names of Articles.	WHOLESALE PRICE PER MAUND.		RETAIL PRICE PER SEER.	
	From—	To—	From—	To—
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Rice—				
Balam, coarse	.....	.....	0 4 6	.....
„ medium	.....	.....	0 4 9	.....
Patnai, coarse	10 0 0	10 4 0	0 4 0	.....
„ medium	10 6 0	10 12 0	0 4 3	.....
Nagra, coarse	10 0 0	10 4 0	0 4 3	.....
„ medium	10 8 0	11 0 0	0 4 6	.....
Dudhkalma	10 10 0	11 0 0	0 4 3	0 4 6
Rangoon Boiled	.....	.....	0 3 0	0 4 0
Kajla	8 8 0	.....	0 4 0	.....
Wheat, Dudhia	8 10 0	.....	.....	.....
„ Gangajali	.....	.....	.....	.....
„ Jamali	7 6 0	7 12 0	.....	.....
Gram, Patnai (whole)	7 7 0	7 8 0	0 3 0	0 3 6
„ dal	8 8 0	9 0 0	0 3 9	0 4 0
Mung „ (Hari)	12 0 0	12 8 0	0 5 0	0 6 0
„ „ (Krishna)	11 8 0	12 0 0	0 4 0	0 5 0
Arhar „	8 0 0	11 8 0	0 4 0	0 5 0
Masur „ (split)	7 4 0	8 8 0	0 3 0	0 4 0
„ „ (Khanri)	9 8 0	10 8 0	0 3 6	0 5 0
Kalai „	8 0 0	9 0 0	0 3 6	0 5 0
Salt	3 3 0	3 6 0	0 1 6	0 1 9
Sugar (Brown Java)	17 4 0	.....	0 8 0	.....
Gur, Bheli	.....	.....	.....	.....
„ Bhursut	9 8 0	9 12 0	.....	.....
Milk	10 0 0	12 0 0	0 5 0	.....
Mustard oil	35 0 0	40 8 0	1 0 0	1 3 0
Flour, country	9 10 0	10 10 0	0 3 6	0 4 6
Atta, No. 3	7 14 0	.....	.....	.....
„ „ 2½	8 2 0	.....	0 4 0	0 5 0
„ „ B	10 12 0	.....	.....	.....
Suji	9 12 0	11 0 0	0 4 6	0 5 0
Ghee (Bhadwa, Matki, etc.)	90 0 0	91 0 0	2 6 0	.....
„ (Patiram, Khurja, Ruto, Etwa, better kind, etc.)	85 0 0	86 0 0	2 4 0	.....
„ (Lalli, Etwa, Sagar, etc.)	80 0 0	81 0 0	2 2 0	.....
Maize	5 8 0	6 0 0	.....	.....
Potato	6 4 0	7 8 0	0 3 0	0 4 0
Patal	4 12 0	5 8 0	0 2 6	0 3 6
Brinjal	4 12 0	5 0 0	0 2 0	0 2 6
Onion	3 12 0	4 6 0	0 1 9	0 3 0
Fish, Rahu	28 0 0	32 0 0	0 10 0	1 0 0
Mutton (2nd class)	.....	.....	0 10 0	.....
Beef (2nd and 3rd classes)	.....	.....	0 3 0	0 5 0

N.B.—This is an abstract of prices at the following markets :—

*Wholesale.*—Chetla Hât, Ramkrishnapur Hât, Sealdah Fish and Milk Markets, Posta Bazar.

*Retail.*—Sir Stuart Hogg Market, Orphananj Market, Sobha Bazar, Nutan Bazar, Raja Babu's Bazar, Bow Bazar, Jogu Babu's Bazar.

S. C. ROY,

for President, Advisory Food Committee.

CALCUTTA, the 1st September 1919.

## DEPARTMENT OF STATISTICS, INDIA.

### CALCUTTA TRADE FLUCTUATIONS.

THE following tables are intended to show the trade by all routes, *i.e.*, by rail, river, canal, road, and sea, of the Calcutta block\* in certain selected articles during the months of April to June, 1919, as compared with the corresponding period of 1918 and 1917. The statistics have been compiled from returns furnished by the Collector of Customs, Calcutta, Railway Audit Offices, Steamer Companies, the Commissioners for the Port of Calcutta, the Collectors of the 24-Parganas and Howrah, and the Assistant Engineer, Calcutta Canals.

#### General Summary.

**Imports.**—The imports of rice, including paddy†, into Calcutta\* by rail, river, canal, road, and sea (coastwise) during the months of April to June, 1919, amounted to 6,212,000 maunds, as against 3,290,000 maunds in the corresponding period of the preceding year,—an increase of 89 per cent. There was an increase (39 per cent) in the imports of coal and coke (26,002,000 maunds as against 18,713,000 maunds last year). The value of the imports by rail, river, road, and sea (coastwise) of Indian cotton piecegoods showed an increase of 95 per cent, the total value amounting to Rs. 2,09,76,000 as against Rs. 1,07,66,000 in 1918. The quantity of indigo imported during the months of April to June, 1919, decreased by 3,527 maunds to 398 maunds. The imports of rawjute amounted to 651,000 bales as against 975,000 bales,—a decrease of 33 per cent. The importations of gunny bags also showed a decrease of 17 per cent (85 million bags as against 102 millions in the preceding year). The total imports of oilseeds (linseed and rape and mustard seed) increased by 62 per cent from 1,615,000 maunds to 2,615,000 maunds. The imports of tea decreased by 11 per cent from 511,000 maunds to 456,000 maunds.

**Exports.**—The exports of cotton piecegoods, foreign, from Calcutta\* by all routes during the months of April to June, 1919, increased by 12 per cent (Rs. 7,32,50,000 as against Rs. 6,52,68,000 last year). The exports of gunny bags (including the exports by sea to foreign countries) decreased from 299 million bags to 267 million bags, but the shipments of gunny bags to other Indian ports increased from 9 millions to 11 millions in number in the period under review. The quantity of kerosene oil despatched from Calcutta and Budge-Budge by internal routes and by sea (coastwise) increased from 1,193,000 maunds to 1,277,000 maunds, or by 7 per cent.

\* The Calcutta block consists of the town of Calcutta with Howrah and Kidderpore Docks.

† One maund of paddy is equivalent to 25 seers of rice.



TABLE I

*Trade of Calcutta in certain selected articles in the three months, April to June, 1919, compared with the corresponding months of 1918.*

	IMPORTS		EXPORTS	
	BY RAIL, ROAD, RIVER, CANAL AND SEA (COASTWISE) (a)		BY SEA (FOREIGN AND COASTWISE)	
	April to June, 1919	April to June, 1918	April to June, 1919	April to June, 1918
Food-grains—				
Rice ... .. Mds	5,457,213	2,923,682	1,117,111	1,528,169
Paddy ... .. "	1,207,106	286,608	108,894	...
Total (in rice) (b) ... .. "	6,211,654	3,290,308	1,185,170	1,528,169
Wheat ... .. "	663,020	1,810,641	32,456	28,302
Wheat flour ... .. "	20,608	10,664	113,538	109,414
Gram and pulse ... .. "	1,603,870	1,761,380	479,393	406,926
Other food-grains ... .. "	284,303	132,840	19,839	16,137
Total food-grains ... .. "	8,983,455	7,005,893	1,630,396	2,091,238
Coal and Coke ... .. "	26,061,673	18,712,773	2,313,280	707,663
Cotton, raw ... .. Bales	65,389	33,174	24,400	6,668
.. twist and yarn, Indian ... .. Mds	71,747	76,727	53,561	21,050
.. piece goods, Indian ... .. Rs	2,09,76,014	1,07,65,662	4,04,461	2,90,570
Indigo ... .. Mds	398	3,925	2,854	10,586
Jute, raw ... .. Bales	651,299	975,448	467,407	512,327
.. gunny bags ... .. No	68,186,679	101,679,627	239,347,802	268,487,664
Lac ... .. Mds	181,915	131,651	115,663	101,253
Oilseeds—Linseed ... .. "	1,730,180	667,629	1,092,008	217,809
.. Rape and mustard ... .. "	874,428	957,419	9,469	84,903
Silk, raw ... .. "	417	155	1,248	981
Sugar—Refined ... .. "	16,764	62,692	49,198	4,648
.. Unrefined ... .. "	151,500	144,063	307	119
Ten (Indian) ... .. "	456,737	511,322	632,749	705,425
Tobacco—unmanufactured ... .. "	373,944	201,689	44,507	18,254
.. manufactured ... .. "	14,972	21,726	2,601	1,408
	IMPORTS.		EXPORTS	
	BY SEA (FOREIGN AND COASTWISE) (d)		BY RAIL, ROAD, RIVER, CANAL, AND SEA (COASTWISE)	
	April to June, 1919	April to June, 1918	April to June, 1919	April to June, 1918
Cotton twist and yarn—foreign ... .. Mds	6,571	25,240	52,413	55,942
.. .. —Indian ... .. "	7,023	65	135,387	94,664
.. piece goods—foreign ... .. Rs	3,18,59,465	6,08,06,493	7,33,49,951	6,52,68,290
.. .. —Indian ... .. "	5,69,306	8,960	1,67,79,905	59,81,695
Kerosene oil (c) ... .. Mds	1,285,711	1,307,974	1,276,544	1,192,628
Salt ... .. "	1,268,144	2,149,218	2,385,079	2,039,788
Gunny bags ... .. No	...	...	39,329,718	28,938,082

(a) The imports by sea are coastwise imports from other Indian ports only.

(b) One maund of paddy is equivalent to 25 seers of rice.

(c) Including figures of Budge-Budge trade.

(d) The imports by sea include imports from other Indian ports together with imports from foreign countries.

TABLE

## Imports of Principal Articles into the Calcutta Trade Block by Rail, Road, River,

Whence Imported	FOOD-GRAINS								Coal and coke	Cotton, raw	Cotton twist and yarn, Indian (b)	Cotton piece goods, Indian (b) (c)	
	Rice and paddy			Wheat	Wheat flour	Gram and pulse	Other food-grains	Total					
	Rice	Paddy (a)	Total (in rice)										
BENGAL	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs.	
Burdwan	87,275	156,220	184,910	.....	2	2,489	30	187,401	10,251,860	9	5	1,920	
Birbhum	74,010	1,095	74,697	.....	18	.....	.....	74,715	.....	2	.....	1,280	
Bankura	1,995	30,835	21,267	2	.....	.....	.....	21,269	.....	4	.....	4,000	
Midnapur	523,658	9,852	529,815	.....	.....	10,214	.....	540,029	.....	103	1,162	1,00,884	
Hooghly	815,269	135,628	400,602	409	317	11,875	151	415,414	16,700	11	2,364	2,29,884	
24-Parganas	742,964	339,126	954,918	405	22	7,141	1,025	963,511	20,682	608	2,012	1,95,000	
Nadia	55,040	39,350	59,946	13,654	4,060	352,655	12,972	522,287	.....	326	2	19,040	
Murshidabad	25,207	273	25,378	5,797	208	54,168	8,704	24,550	.....	7	.....	1,280	
Jessore	59,021	39,459	83,682	307	65	105,879	353	100,086	.....	369	2	640	
Khulna	133,015	229,322	276,341	668	.....	16,682	214	293,905	.....	161	.....	.....	
Rajshahi	2,088	109	2,156	11,038	999	52,683	.....	66,881	.....	3	.....	4,480	
Dinajpur	23,047	33,989	44,291	.....	.....	1,029	367	46,586	.....	13	.....	160	
Jaipalguri	497	1,405	1,432	.....	.....	.....	.....	1,432	.....	.....	8	640	
Darjeeling	443	1,590	1,403	.....	.....	8	.....	1,411	.....	.....	.....	160	
Bangpur	5,277	3,833	7,672	8,472	5	4,341	1,053	21,543	.....	129	.....	960	
Bogra	8,846	43,168	35,839	32	.....	1,576	668	38,116	.....	30	.....	.....	
Fabna	2,362	.....	2,382	26,561	1,377	103,946	458	134,724	.....	7	38	640	
Malda	702	.....	702	5,707	1,193	6,861	5,371	19,834	.....	.....	18	.....	
Cooh Behar	417	.....	417	317	199	292	.....	1,225	.....	.....	.....	.....	
Dacca	6,827	1	6,828	1,648	86	21,819	7,345	37,796	.....	8,998	78	4,332	
Mymenatug	930	.....	930	457	.....	8,322	9,092	19,861	.....	427	26	2,260	
Faridpur	12,084	3,558	14,308	12,483	651	86,899	3,617	117,968	.....	262	7	.....	
Bakarganj	247,735	1,033	248,380	.....	.....	3,002	.....	251,382	.....	1	21	480	
Tippera (including Hill Tippera)	2,485	297	3,670	.....	.....	.....	625	4,195	.....	.....	.....	.....	
Noakhali	3	.....	3	.....	.....	783	.....	786	.....	.....	.....	1,920	
Chittagong	80,550	.....	80,559	.....	.....	2,834	.....	84,393	.....	2,314	.....	.....	
Chittagong Port	284	.....	284	.....	.....	.....	.....	284	.....	.....	.....	.....	
Total of Bengal	2,493,065	1,071,692	3,162,872	87,957	9,307	737,382	52,795	4,050,313	10,298,142	14,789	19,755	5,70,440	
OTHER PROVINCES AND PLACES													
Bihar and Orissa	1,790	2,890	3,602	43,284	395	542,579	95,972	685,832	15,700,265	228	399	53,120	
Assam	136,566	132,509	219,384	535	34	4,550	184	224,688	3,263	3	13	3,320	
U. P. of Agra and Oudh	850	.....	860	524,969	9,229	788,417	8,306	731,771	.....	2,832	336	2,43,700	
Punjab	498	.....	495	2,896	1,642	58,675	.....	63,711	.....	3,426	165	5,344	
Sind and British Baluchistan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Central Provinces and Betar	.....	6	4	.....	.....	313	135	452	.....	32,310	12,082	6,37,255	
Bombay	.....	.....	.....	.....	1	47	.....	48	3	2,322	23,947	1,64,08,487	
Madras	.....	.....	.....	2,525	.....	13,202	4	15,731	.....	8,174	6,849	19,07,317	
Burma	2,824,184	.....	2,824,184	853	.....	288,705	125,304	3,209,046	.....	723	.....	.....	
Rajputana and Central India	260	.....	260	.....	.....	.....	444	704	.....	.....	.....	1,59,200	
Nizam's Territory	.....	.....	.....	.....	.....	.....	.....	.....	.....	481	.....	24,000	
Mysore	.....	.....	.....	.....	.....	.....	1,149	1,169	.....	.....	1,178	2,71,260	
GRAND TOTAL	1919	5,457,213	1,207,106	6,211,654	663,020	20,608	1,803,870	284,303	8,982,455	26,001,673	65,389	84,724	2,04,06,706
	1918	2,923,682	586,698	3,290,398	1,810,641	10,664	1,761,380	132,840	7,005,895	18,712,773	33,174	76,662	1,07,56,702
	1917	1,811,107	549,079	2,154,281	2,262,679	64,603	1,591,318	154,290	7,297,971	25,432,546	65,666	119,360	86,53,673

(a) One maund of paddy is equivalent to 25 seers of rice.

(b) Excluding trade by sea (coastwise).

(c) The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.



11.

## Canal, and Sea (Coastwise) in the three months, April to June, 1919.

Indigo	JUTE		Lac	OILSEEDS		Silk, raw	SUGAR		Tea, Indian	TOBACCO		Whence imported
	Raw (d)	Gunny-bags (e)		Linseed	Rape and mustard		Refined	Un-refined		Unmanufactured	Manufactured	
Mds	Bales of 400 lbs	No	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	BENGAL
.....	112	20,128	4	532	984	.....	.....	1	4	9	18	Burdwan
.....	.....	2,824	38	275	1,446	.....	.....	5	.....	.....	.....	Barbhum
.....	.....	4,828	57	.....	.....	.....	.....	.....	.....	64	23	Bankura
.....	288	20,116	.....	416	490	7	.....	21,374	.....	25	.....	Midnapur
.....	10,385	24,183,636	.....	488	774	.....	9	22,001	.....	7,440	645	Hooghly
.....	27,916	60,287,326	.....	212	2,517	.....	6,014	13,340	1	2,157	1,862	24-Parganas
.....	2,292	9,296	.....	19,417	1,115	68	214	5,323	.....	4,598	2	Nadia
.....	2,925	1,271	436	9,417	214	181	.....	.....	.....	241	1,437	Murshidabad
.....	1,198	7,298	.....	1,288	2,284	.....	.....	42,891	.....	1923	29	Jessore
.....	2,643	5,453	.....	895	876	.....	.....	600	.....	.....	.....	Khulna
.....	4,702	369	.....	11,972	619	.....	.....	.....	.....	.....	2	Rajshahi
.....	5,186	12,612	.....	.....	378	.....	.....	8	.....	4	.....	Dinajpur
.....	26,237	1,476	13	.....	2,829	.....	.....	.....	123,633	141,559	3	Jalpaiguri
.....	2,281	4,429	.....	419	323	.....	.....	1	52,656	2,677	15	Darjeeling
.....	63,855	8,723	.....	4,583	160	.....	.....	.....	.....	53,324	6	Rangpur
.....	14,099	1,845	.....	2,257	1,176	.....	.....	2	2	.....	.....	Bogra
.....	16,220	4,713	.....	11,053	6,586	.....	.....	.....	.....	87	.....	Pabna
.....	1,733	369	18	1,457	274	60	.....	.....	.....	.....	.....	Maldia
.....	13,302	772	.....	.....	217	.....	.....	.....	.....	18,280	.....	Cooch Behar
.....	295,310	9,371	.....	1,565	1,361	.....	.....	49	.....	16	4	Dacca
.....	22,827	2,091	.....	595	2,972	.....	13	.....	.....	117	7	Mymensingh
.....	16,490	1,722	.....	2,175	7,054	.....	26	.....	.....	91	13	Faridpur
.....	1,189	4,357	.....	805	139	.....	.....	.....	.....	.....	.....	Bakarganj
.....	23,799	62	.....	188	484	.....	.....	.....	22	.....	.....	Tippera (including Hill Tippera)
.....	.....	9,280	.....	1,223	.....	.....	.....	.....	.....	.....	.....	Noakhali
.....	.....	2,602	.....	.....	.....	.....	.....	.....	1,631	.....	.....	Chittagong
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chittagong Port
.....	327,620	84,711,495	566	71,985	26,524	316	6,286	112,671	187,940	235,155	4,072	Total of Bengal
OTHER PROVINCES AND PLACES												
210	61,691	81,140	78,417	1,035,029	65,521	.....	894	15,105	1,332	106,457	9,438	Bihar and Orissa
.....	61,288	26,383	8,917	61,843	45,180	101	1	2	266,112	.....	13	Assam
188	.....	264,245	28,593	501,176	544,559	.....	1,356	5,573	205	264	224	U. P. of Agra and Oudh
.....	.....	42,353	.....	.....	116,922	.....	.....	.....	17	11	2	Punjab
.....	.....	1,107	.....	.....	6,405	.....	.....	.....	.....	6	7	Sind and British Baluchistan
.....	.....	12,915	6,290	59,643	2,159	.....	.....	.....	16	27	771	Central Provinces and Berar
.....	.....	18,983	.....	.....	45,907	.....	824	.....	47	4,452	72	Bombay
.....	.....	943	153	690	1,192	.....	7,413	16,396	44	13,501	179	Madras
.....	.....	1,200	8,214	.....	.....	.....	.....	1,453	4	10,771	175	Burma
.....	.....	21,935	765	9,814	10,322	.....	.....	.....	20	.....	6	Rajputana and Central India
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nizam's Territory
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mysore
308 (f)	631,299	85,185,679	131,915	1,740,180	874,498	417	16,764	151,500	455,737	378,044	14,972	1919
3,923	975,448	101,672,527	131,651	657,629	957,419	155	62,592	144,063	511,322	201,699	21,726	1918
539	480,556	113,406,923	187,752	635,815	1,146,448	203	76,694	130,373	413,335	279,175	17,749	1917
												GRAND TOTAL

(d) Excludes imports into the mids outside the Calcutta block, which are 372,490 bales, but includes imports into the Kidderpore Docks, namely, 15,528 bales.

(e) Including gunny cloth, 2 yards of cloth = 1 bag.

(f) Of this 279,835 bales came by rail, 352,978 bales by river, 5,949 bales by road, and 12,539 bales by sea.

TABLE III

**Statement of the Routes by which the Articles enumerated in Table No. II were Imported into the Calcutta Trade Block in the three months, April to June, 1919.**

Routes	FOOD-GRAINS						Coal and coke	Cotton, raw	Cotton twist and yarn, Indian (b)	Cotton piece goods, Indian (b) (c)	Indigo		
	Rice	Paddy (a)	Wheat	Wheat flour	Gram and pulse	Other food-grains							
	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs	Mds		
By rail	E. I. Railway...	166,839	188,419	408,614	11,271	679,008	89,133	18,714,447	6,480	823	5,89,221	188	
	E. B. Railway (including H. C. Railway)...	561,920	285,604	77,506	8,866	542,021	20,278	1,598,547	1,077	129	1,21,667	96	
	A.-B. Railway...	1,986	31	.....	.....	821	.....	.....	.....	7	1,280	N.	
	B.-N. Railway...	120,804	32,309	2	.....	23,577	1,303	5,647,729	39,214	46,232	1,91,51,934	.....	
	B. & N.-W. Railway	895	.....	157,018	1	106,382	24,382	.....	15	11	1,760	114	
	D.-S. Railway...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Kaighat-Falta Railway	60,659	41,530	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Howrah-Amra and Howrah-Seakhala Light Railways	26,229	2,663	.....	17	2	.....	.....	.....	.....	5,920	.....	
	By river steamer	Bengal ... and Bihar	211,539	7,856	7,844	86	32,061	20,115	.....	19,215	152	1,05,062	.....
		Orissa	3	.....	3,300	.....	13,398	2,367	.....	34	.....	.....	.....
Assam		41,427	91,734	536	30	101	184	3,263	3	6	1,885	.....	
U. P. of Agra and Oudh		.....	.....	31	14	612	.....	.....	4	.....	.....	.....	
By boat	.....	1,353,694	546,278	4,791	322	125,497	1,237	1,052	1,137	15,237	1,65,000	.....	
By road	.....	187,526	10,782	.....	.....	1,368	.....	36,636	293	3,127	2,16,389	.....	
By sea	.....	2,824,192	.....	3,378	1	272,032	125,304	.....	4,917	.....	.....	.....	
Total	1919	5,457,213	1,207,106	663,020	20,608	1,803,870	284,803	26,001,673	65,385	64,724	2,04,06,708	308	
	1918	2,923,682	586,098	1,810,641	10,664	1,761,380	129,440	18,712,773	33,174	76,662	1,07,56,702	3,928	
	1917	1,811,107	549,879	3,262,679	64,603	1,591,218	154,990	25,442,346	65,666	119,560	86,53,873	639	

Routes	JUTE		- Lac	OILSEEDS		Silk, raw	SUGAR		Tea Indian	TOBACCO		
	Raw (d)	Gunny bags (e)		Linseed	Rape and mustard		Refined	Unrefined		Unmanufactured	Manufactured	
	Bales of 400 lbs	No.	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	
By rail	E. I. Railway...	10,268	354,211	59,904	492,953	634,571	.....	340	11,664	395	1,572	8,297
	E. B. Railway (Including B. C. Railway)	263,889	161,622	5,707	65,696	36,224	369	.....	37,090	200,612	317,999	1,473
	A.-B. Railway...	.....	19,557	235	5,827	.....	.....	1	.....	70,336	.....	.....
	B.-N. Railway	687	95,489	54,799	52,420	6,963	.....	8,036	10,691	1,192	14,614	891
	B. and N.-W. Railway	4,786	8,866	.....	1,069,888	147,615	.....	1,148	9,319	57	13,668	2
	D. S. Railway	.....	.....	.....	.....	.....	.....	.....	.....	39,350	.....	.....
	Kaighat-Falta Railway	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Howrah-Amra and Howrah-Seakhala Light Railways	205	13,202	.....	28	.....	.....	8	270	.....	1	7
	Bengal ... Bihar and Orissa	270,398	31,693	.....	7,408	6,669	7	49	2,586	1,643	155	53
	Assam	99	1,066	.....	.....	2,288	.....	5	.....	.....	2,029	6,407
By river steamer	U. P. of Agra and Oudh	35,835	5,207	2,006	53,665	31,813	41	.....	2	142,107	.....	10
		.....	287	.....	.....	225	.....	400	.....	.....	35	26
By boat	.....	46,464	83,948,734	.....	3,531	8,315	.....	381	63,486	1	8,224	.....
By road	.....	5,949	505,035	.....	64	.....	.....	5,848	14,939	.....	2,874	2,300
By sea	.....	12,539	10,720	8,214	.....	815	.....	498	1,453	44	10,372	296
Total	1919	651,299	85,165,679	131,915	1,740,180	874,498	417	16,764	151,900	455,737	373,044	14,973
	1918	975,448	101,672,527	181,651	657,629	937,419	155	62,592	144,063	311,522	301,689	21,726
	1917	480,566	113,406,933	187,743	625,815	1,146,448	202	76,694	130,373	413,335	279,175	17,749

(a) One maund of paddy is equivalent to 35 seers of rice.

(b) Excluding trade by sea (coastwise).

(c) The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.

(d) Excludes imports into the mills outside the Calcutta block, which are 372,490 bales, but includes imports into the Kidderpore Docks, namely, 18,898 bales.

(e) Including gunny-cloth, 2 yards of cloth=1 bag.



TABLE IV

*Imports of certain Articles into the Port of Calcutta by Sea (Foreign and Coastwise) in the three months, April to June, 1919.*

	COTTON TWIST AND YARN		COTTON PIECE-GOODS		Kerosene oil	Salt
	Foreign	Indian	Foreign	Indian		
FOREIGN—	Mds	Mds	Rs	Rs	Mds	Mds
From United Kingdom ... ..	3,732	.....	2,41,06,675	.....	5	277,249
„ Other countries ... ..	1,650	.....	61,02,558	.....	594,114	990,901
Total ...	5,402	.....	3,02,16,233	.....	594,119	1,268,144
COASTWISE—						
From British Ports in—						
Bihar and Orissa ... ..	14	.....	.....	.....	.....	.....
Bombay ... ..	1,002	6,816	2,08,965	5,34,041	.....	.....
Madras ... ..	.....	146	6,000	6,865	.....	.....
Burma ... ..	153	61	14,19,267	23,400	691,592	.....
Total ..	1,169	7,023	16,34,282	5,69,306	691,592	.....
1919 ...	3,571	7,023	3,18,50,465	5,69,306	1,235,711	1,268,144
GRAND TOTAL ... 1918 ...	35,240	65	6,08,03,493	8,960	1,307,974	2,149,218
1917 ...	18,961	146	5,73,41,377	4,550	1,266,221	1,663,416

TABLE V

**Exports of Principal Articles from the Port of Calcutta by Sea (Coastwise and to Foreign Countries) in the three months, April to June, 1919.**

	FOOD-GRAINS								Coal and coke	Cotton, raw	Cotton twist and yarn, Indian	Cotton piece-goods, Indian
	Rice	Paddy (a)	Total (in rice)	Wheat	Wheat flour	Gram and pulse	Other food-grains	Total				
<i>Coastwise—</i>	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs.
To British Ports in—												
Bengal ...	240	.....	240	.....	36	34	.....	310	.....	11	547	4,730
Bihar and Orissa	14,105	28,050	28,536	272	1,026	2,383	.....	32,217	.....	.....	1,198	.....
Madras ...	558,047	85,804	611,875	4,456	524	288,513	50	906,195	.....	.....	49	.....
Burma...	3,745	.....	3,745	24,927	96,986	68,218	11,735	205,011	252,341	162	41,939	3,88,310
Total ...	576,137	108,894	644,196	29,635	97,972	350,145	11,785	1,143,732	252,341	173	43,733	3,93,040
<i>Foreign—</i>												
To United Kingdom	5	.....	5	80	.....	2,919	.....	3,004	2,014	1,512	.....	.....
Other countries	540,969	.....	540,969	2,741	15,566	116,329	8,054	663,659	2,059,034	22,715	9,828	14,421
Total ...	540,974	.....	540,974	2,821	15,566	119,248	8,054	666,663	2,061,048	24,227	9,828	14,421
1919 ...	1,117,111	108,894	1,185,170	32,456	113,538	479,393	19,839	1,830,396	2,313,289	24,400	53,561	4,04,461
GRAND TOTAL 1918 ...	1,628,169	.....	1,528,169	28,602	109,414	408,926	16,127	2,091,238	707,963	6,668	21,950	2,90,570
1917 ...	205,102	.....	205,103	22,816	255,049	252,452	13,787	755,207	6,995,277	21,863	30,908	13,40,888

	Indigo	JUTE		Lac	OILSEEDS		Silk, raw	SUGAR		Tea, Indian	TOBACCO	
		Raw	Gunny bags (b)		Linseed	Rape and mustard		Refined	Un-refined		Un-manufactured	Manufactured
<i>Coastwise—</i>	Mds	Bales of 400 lbs.	No	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds
To British Ports in—												
Bengal ...	.....	.....	633	.....	.....	.....	.....	1,096	17	2	86	27
Bihar and Orissa	.....	.....	4,700	.....	.....	136	.....	465	.....	.....	708	59
Madras ...	161	9	96,900	195	.....	1,254	.....	30,419	.....	.....	.....	.....
Burma ...	.....	107	10,748,268	142	.....	2,691	.....	11,498	286	2,640	33,951	1,021
Total ...	161	116	10,850,501	247	.....	4,381	.....	43,478	303	3,642	24,745	1,107
<i>Foreign—</i>												
To United Kingdom	1,172	256,318	34,576,300	30,768	765,392	.....	886	2	.....	587,127	3,562	17
Other countries	1,521	200,973	192,920,851	84,548	326,616	1,088	512	5,718	4	41,980	11,290	1,477
Total ...	2,693	457,291	227,497,351	115,316	1,092,008	1,088	1,398	5,720	4	629,107	15,762	1,494
1919 ...	2,854	457,407	238,347,552	115,363	1,092,008	2,469	1,348	59,198	507	632,749	44,507	2,601
GRAND TOTAL 1918 ...	10,586	512,327	268,487,554	101,952	217,909	84,903	981	1,148	119	705,423	16,204	1,406
1917 ...	10,189	280,376	325,271,298	121,610	262,687	61,358	855	993	774	518,521	52,526	1,850

(a) One maund of paddy is equivalent to 25 aers of rice.  
(b) Including gunny cloth, 2 yards of cloth = 1 bag.



TABLE VI

*Exports of certain Articles from the Calcutta Trade Block by rail, road, river, canal, and sea (coastwise) in the three months, April to June, 1919.*

Whither exported	COTTON TWIST & YARN		COTTON PIECEGOODS*		Gunny bags†	KEROSENE OIL		Salt
	Foreign	Indian	Foreign	Indian		From Calcutta block	From Budget	
BENGAL	Mds	Mds	Rs	Rs	No	Mds	Mds	Mds
Bardwan ... ..	92	1,906	14,16,074	96,640	345,107	11,278	51,719	72,577
Birbhum ... ..	77	4,334	8,21,800	64,000	1,23,417	72	9,915	56,102
Bankura ... ..	97	2,531	2,69,962	800	70,320	26	...	28,000
Midnapur ... ..	5,102	4,711	17,19,539	1,17,260	181,111	8,612	41,357	84,156
Hoochly ... ..	2,074	134	4,34,186	51,589	88,261	19,861	47,844	60,016
24 Parganas ... ..	505	924	2,50,203	1,34,068	424,017	25,647	32,098	64,144
Nadla ... ..	1,030	11,581	28,12,770	2,97,780	459,324	1,363	19,801	71,655
Murshidabad ... ..	94	3,665	16,72,628	1,11,880	249,362	202	30,533	72,330
Jessore ... ..	754	1,905	7,06,331	1,65,280	108,691	1,849	11,844	43,536
Rhulda ... ..	1,114	445	5,62,137	1,94,880	117,465	2,241	12,695	19,908
Rajshahi ... ..	34	288	12,37,288	1,51,200	100,780	1,001	5,051	27,052
Binajpur ... ..	...	763	11,59,079	3,00,600	145,345	613	12,073	65,481
Jalpaiguri ... ..	19	1,765	12,58,920	2,03,200	107,461	353	8,714	43,630
Darjeeling ... ..	271	840	12,08,999	83,520	80,093	286	10,573	45,992
Rangpur ... ..	280	1,192	26,86,056	4,09,440	191,168	13	13,639	137,335
Bogra ... ..	15	619	15,83,823	9,07,360	97,334	1881	16,231	72,322
Patna ... ..	2,032	2,210	14,61,280	6,23,200	159,736	78	54,555	71,403
Malda ... ..	30	1,712	6,13,090	1,74,400	87,658	...	277	25,607
Cooch Behar ... ..	2	188	7,32,027	82,720	72,980	108	4,209	26,632
Dacca ... ..	5,098	1,716	29,10,507	5,15,066	87,248	373	131,173	116,089
Mymensingh ... ..	2,189	1,298	17,36,392	16,78,351	31,693	135	24,880	110,084
Faridpur ... ..	4,646	793	8,74,922	5,18,560	125,009	2,492	10,651	67,615
Bakarganj ... ..	2,765	51	5,90,517	6,75,360	176,177	719	10,084	34,649
Tippura (including Hill Tippura) ...	1,702	3,158	15,70,581	40,822	81,836	25	...	23,606
Noakhali ... ..	1,149	3,364	5,26,360	1,53,920	19,106	23	...	640
Chittagong ... ..	2,810	129	1,86,543	1,19,660	153,873	22	...	514
Chittagong Port ... ..	23	263	9,18,215	2,03,720	4,946	...	...	16
Total of Bengal ...	36,026	52,503	3,19,20,565	81,74,126	3,913,331	80,266	563,424	1,481,210
OTHER PROVINCES AND PLACES								
Bihar and Orissa ... ..	4,398	21,658	1,63,05,652	43,13,721	4,291,514	2,904	293,551	749,382
Assam ... ..	5,245	3,946	61,64,214	15,34,631	668,546	3,555	7,693	199,733
U. P. of Agra and Oudh ... ..	591	1,063	93,75,267	19,36,729	5,129,772	943	293,083	7,296
Punjab ... ..	1,099	448	54,16,234	1,10,344	5,916,177	14	19,090	8
Sind and British Baluchistan ...	...	...	1,06,759	...	1,279,456	...	...	...
Central Provinces and Berar ...	7	285	5,37,088	60,125	782,847	653	4,468	1,897
Bombay ... ..	33	124	7,59,360	2,440	2,999,658	233	176	...
Madras ... ..	1,079	2,703	3,04,207	2,33,299	2,657,637	3,124	...	119
Burma ... ..	4,907	41,939	16,55,659	2,88,310	10,745,268	...	...	14
Rajputana and Central India ...	38	168	4,91,337	25,523	613,613	999	15,310	...
Kashmir State ... ..	...	...	1,258	...	...	...	...	...
Nizam's Territory ... ..	...	3	1,62,631	960	108,110	2,730	...	...
Mysore ... ..	...	...	8,501	...	182,184	...	...	...
Port Blair ... ..	...	547	5,500	4,720	633	...	...	...
1919 ...	55,412	135,387	7,33,49,953	1,67,79,905	39,529,798	95,421	1,181,123	2,385,639
GRAND TOTAL 1919 ...	55,412	135,387	7,33,49,953	1,67,79,905	39,529,798	95,421	1,181,123	2,385,639
1917 ...	45,249	113,946	6,41,69,374	63,25,885	28,518,686	107,336	1,333,376	1,841,861

\* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.

† Including gunny cloth, 2 yards of cloth = 1 bag.

‡ The exports of kerosene oil from Budget-Budget to Calcutta in the three months of April to June 1919, were 163,491 maunds as against 283,313 maunds and 210,041 maunds in the corresponding periods of 1918 and 1917, respectively.

TABLE VII

**Statement of the Routes by which the Articles enumerated in Table No. VI were exported from the Calcutta Trade Block in the three months, April to June, 1919**

Routes.	COTTON TWIST AND YARN		COTTON PIECE-GOODS*		Gunny-bags†	KEROSENE OIL		Salt
	Foreign	Indian	Foreign	Indian		From Calcutta Block	From Budge-Budge	
	Mds	Mds	Rs	Rs	No	Mds	Mds	Mds
E. I. Railway ...	3,225	20,439	1,68,74,798	23,02,270	5,484,447	12,090	274,107	439,184
E. B. Railway (including B. C. Railway)	1,229	31,719	1,84,35,977	50,71,320	2,379,271	10,337	180,611	824,589
A.-B. Railway ...	703	7,980	54,74,429	4,49,491	103,739	718	195	49,424
B.-N. Railway ...	723	17,704	21,93,568	6,20,624	1,439,694	3,631	400	253,383
B. & N.-W. Railway ...	68	4,450	1,02,85,235	25,18,654	2,200,503	438	117,279	169,409
O. R. Railway ...	213	36	21,63,206	1,36,329	620,904	441	115,276	17
Howrah-Amra and Howrah-Sankhal Light Railways	719	...	1,77,659	...	19,393	4,245	...	11,083
By rail ...								
N.-W. Railway ...	317	103	9,48,695	8,160	6,467,914	13	7,596	...
G. I. P. Railway ...	69	123	10,83,764	15,011	3,184,060	1,159	1,801	...
B. H. & C. I. Railway ...	75	153	5,16,689	9,440	844,518	112	1,638	...
M. & S. M. Railway ...	778	1,634	2,94,787	1,25,280	2,003,301	2,318	...	20
S. I. Railway ...	...	24	...	3,538	416,027	...	...	...
J. B. Railway ...	...	9	1,36,450	5,208	75,481	...	495	...
N. G. S. Railway ...	...	3	1,62,631	960	96,432	2,730	...	...
Other Railways ...	24	3	1,51,347	85,763	92,045	398	10,579	6,032
By river steamer								
Bengal ...	29,431	2,306	89,06,216	33,01,839	841,771	1,774	253,452	263,206
Bihar and Orissa ...	505	430	3,66,080	45,600	1,342,914	8	...	505
Assam ...	4,898	1,344	31,05,827	11,99,260	436,035	2,537	5,689	100,004
U. P. of Agra and Oudh	19	6	50,004	9,760	146,370	...	...	...
By boat ...	2,686	...	2,12,780	9,300	101,146	21,994	27,211	220,677
.. road ...	1,537	166	2,01,120	1,63,667	131,242	30,184	2,764	40,274
.. sea ...	6,185	43,723	17,00,501	3,93,040	10,850,501	...	6,080	3,798
Total								
1919 ...	33,413	135,337	7,32,49,933	1,67,72,905	39,329,796	95,491	1,181,123	2,385,639
1918 ...	35,842	94,664	6,32,83,290	59,81,625	28,938,082	78,161	1,114,467	2,039,799
1917 ...	45,249	113,946	6,41,62,374	63,25,855	28,518,659	107,334	1,323,376	1,841,881

\* The value rates are fixed quarterly and the monthly valuation is made at the value rates of the preceding quarter.

† Including gunny cloth. 2 yards of cloth=1 bag.

DEPARTMENT OF STATISTICS, INDIA,

G. FINDLAY SHIRRAS,

September 2, 1919.

Director of Statistics.



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARISON WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	22nd Aug. 1919	6 A.M. ...	25.37'	101.83'	127.20'	Steady	124.30'	117.70'	
	... { Rajmahal ...	22nd " " "	6 " "	26.85'	56.319'	83.169'	...	83.16'	76.86'	
	... { Goalundo ...	22nd " " "	8 hours ...	22.50'	...	...	Steady	22.50'	23.10'	
Brahmaputra	Gauhati ...	22nd " " "	8 A.M. ...	17.40'	148.76'	166.16'	...	169.16'	175.46'	
	... { Serajganj ...	22nd " " "	12 hours ...	35.70'	...	...	Steady	...	...	
	... { Dibrugarh ...	22nd " " "	8 A.M. ...	14.40'	...	...	...	...	...	
Meghna	Bhairab Bazar ...	22nd " " "	6 hours ...	14.83'	1.61'	16.44'	...	...	...	
	... { Chandpur ...	22nd " " "	14.30 " "	11.00'	1.61'	12.61'	...	...	...	
	... { Fenchuganj ...	22nd " " "	7 A.M. ...	24.30'	...	...	0.30'	...	...	
Dhaleswari	Sabhar ...	22nd " " "	7 " "	25.80'	- 8.62'	17.18'	Steady	...	...	
Bhagirathi	Swarunganj ...	22nd " " "	6 " "	27.54'	1.509'	29.049'	Steady	28.20'	25.24'	
Damodar	Edilpur ...	22nd " " "	6 " "	12.25'	92.58'	104.83'	...	...	...	
Lakhya	Narayanganj ...	22nd " " "	...	20.14'	- 5.59'	14.55'	...	...	...	
Madaripur Pil Route	Takerhat ...	22nd " " "	6 A.M. ...	12.50'	- 0.599'	11.901'	Steady	...	...	

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	23rd August 1919	6 A.M. ...	25.27'	101.83'	127.10'	...	0.10'	123.80'	118.10'	
	23rd "	6 " ...	26.80'	56.319'	83.119'	...	0.05'	82.86'	76.81'	
	23rd "	8 hours ...	22.50'	...	...	Steady		22.20'	23.20'	
Brahmaputra	23rd "	8 A.M. ...	17.10'	148.76'	165.86'	...	0.30'	168.56'	175.46'	
	23rd "	12 hours ...	35.70'	...	...	Steady		...	...	
	23rd "	8 A.M. ...	14.30'	...	...	...	0.10'	...	...	
Meghna	23rd "	6 hours ...	14.75'	1.61'	16.36'	...	0.08'	...	...	
	23rd "	16 " ...	11.50'	1.61'	13.11'	0.50'	...	...	...	
	23rd "	7 A.M. ...	24.50'	...	...	0.20'	...	...	...	
Dhaleswari	23rd "	7 " ...	25.70'	- 8.62'	17.08'	...	0.10'	...	...	
Bhagirathi	23rd "	6 " ...	27.59'	1.509'	29.099'	0.05'	...	28.03'	25.24'	
Damodar	23rd "	6 " ...	11.50'	92.58'	104.08'	...	0.75'	...	...	
Lakhya	23rd "	...	20.17'	- 5.59'	14.58'	0.03'	...	...	...	
Madaripur Bil Route	23rd "	6 A.M. ...	12.50'	- 0.592'	11.901'	Steady		...	...	



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	24th Aug. 1919	25.27'	101.83'	127.10'	Steady		123.20'	119.00'	
	... { Rajmahal ...	24th " " "	26.70'	56.319'	83.019'	...	0.10'	82.46'	77.41'	
	... { Goalundo ...	24th " " "	22.40'	...	...	...	0.10'	22.20'	23.50'	
Brahmaputra	Gauhati ...	24th " " "	16.60'	148.76'	165.36'	...	0.50'	167.86'	175.36'	
	... { Serajganj ...	24th " " "	35.40'	...	...	...	0.30'	...	...	
	... { Dibrugarh ...	24th " " "	14.00'	...	...	...	0.30'	...	...	
Meghna	Bhairab Bazar ...	24th " " "	14.79'	1.61'	16.40'	0.04'	...	...	...	
	... { Chandpur ...	24th " " "	12.00'	1.61'	13.61'	0.50'	...	...	...	
	... { Fenchuganj ...	24th " " "	24.60'	...	...	0.10'	...	...	...	
Dhaleswari	... Sabhar ...	24th " " "	25.70'	-8.62'	17.08'	Steady		...	...	
Bhagirathi	... Swarupganj ...	24th " " "	27.60'	1.509'	29.109'	0.01'	...	27.83'	25.90'	
Damodar	... Edilpur ...	24th " " "	11.17'	92.58'	103.75'	...	0.33'	...	...	
Lakhya	... Narayanganj ...	24th " " "	20.58'	-5.59'	14.99'	0.41'	...	...	...	
Madaripur Bil Route	... Takerhat ...	24th " " "	12.50'	-0.599'	11.901'	Steady		...	...	

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	25th Aug. 1919	6 A.M. ...	25.27'	101.83'	127.10'	Steady	122.70'	120.20'	
	... { Rajmahal ...	25th " " "	6 " "	26.55'	56.319'	82.869'	...	81.71'	78.36'	
	... { Goalundo ...	25th " " "	8 hours ...	22.40'	...	...	Steady	22.00'	23.60'	
Brahmaputra	... { Gauhati ...	25th " " "	8 A.M. ...	16.10'	148.76'	164.86'	...	0.50'	167.36'	
	... { Serajganj ...	25th " " "	12 hours ...	35.40'	...	...	Steady	...	...	
	... { Dibrugarh ...	28th " " "	8 A.M. ...	13.80'	...	...	0.20'	...	...	
Meghna	... { Bhairab Bazar ...	25th " " "	6 hours ...	14.83'	1.61'	16.44'	0.04'	...	...	
	... { Chandpur ...	25th " " "	6.30 " "	12.00'	1.61'	13.61'	Steady	...	...	
	... { Fenchuganj ...	25th " " "	7 A.M. "	24.75'	...	...	0.15'	...	...	
Dhaleswari	... Sabhar ...	25th " " "	7 " "	25.70'	- 8.62'	17.08'	Steady	...	...	
Bhagirathi	... Swarupganj ...	25th " " "	6 " "	27.58'	1.509'	29.089'	...	0.02'	27.71'	26.86'
Damodar	... Edilpur ..	25th " " "	6 " "	10.67'	92.58'	103.25'	...	0.50'	...	
Lakhya	... Narayanganj	25th " " "	...	20.85'	- 5.59'	15.26'	0.27'	...	...	
Madaripur Btl Route	Takerhat ...	25th " " "	6 A.M. ...	12.50'	- 0.599'	11.901'	Steady	...	...	



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 26th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARISON WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	26th Aug. 1919	6 A.M.	24.97	101.83	126.80	...	0.30	122.30	121.70	
	26th "	6 "	26.50	56.319	82.819	...	0.05	81.46	79.71	
	26th "	8 hours	22.50	...	...	0.10	...	21.60	23.90	
Brahmaputra	26th "	8 A.M.	15.70	148.76	164.46	...	0.40	167.06	175.76	
	26th "	12 hours	34.90	...	...	...	0.59	...	...	
	26th "	8 A.M.	13.60	...	...	...	0.20	...	...	
Meghna	26th "	6 hours	15.08	1.61	16.69	0.25	...	...	...	
	26th "	7 "	12.25	1.61	13.86	0.25	...	...	...	
	26th "	7 A.M.	24.80	...	...	0.05	...	...	...	
Dhaleswari	26th "	7 "	25.70	-8.62	17.08	Steady		...	...	
	26th "	6 "	27.55	1.509	29.059	...	0.03	27.48	28.00	
Damodar	26th "	6 "	7.75	92.58	100.33	...	2.92	...	...	
Lakhya	26th "	...	21.42	-5.59	15.83	0.57	...	...	...	
Madaripur Bil Route	26th "	6 A.M.	12.60	-0.599	12.001	0.10	...	...	...	

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	27th Aug. 1919	6 A.M.	24.67	101.83	126.50	...	0.30	121.80	122.30
	... { Rajmahal ...	27th " "	6 "	26.30	56.319	82.619	...	0.20	80.96	80.61
	... { Goalundo ...	27th " "	8 hours	22.70	...	...	0.20	...	21.30	24.00
Brahmaputra	Gauhati ...	27th " "	8 A.M.	15.00	148.76	163.76	...	0.70	166.86	175.76
	... { Serajganj ...	27th " "	12 hours	34.90	...	...	Steady	...	...	...
	... { Dibrugarh ...	27th " "	8 A.M.	13.50	...	...	...	0.10	...	...
Meghna	Bhairab Bazar ...	27th " "	6 hours	15.25	1.61	16.86	0.17	...	...	...
	... { Chandpur ...	27th " "	7.20 "	12.58	1.61	14.19	0.33	...	...	...
	... { Fenchuganj ...	27th " "	7 A.M.	24.80	...	...	Steady	...	...	...
Dhaleswari	Sabhar ...	27th " "	7 "	25.80	-8.62	17.18	0.10	...	...	...
Bhagirathi	Swarupganj ...	27th " "	6 "	27.49	1.509	28.999	...	0.06	27.13	29.06
Damodar	Edilpur ...	27th " "	6 "	7.50	92.58	100.08	...	0.25	...	...
Lakhya	Narayanganj ...	27th " "	...	21.44	-5.59	15.85	0.02	...	...	...
Madaripur Bil Route	Takerhat ...	27th " "	6 A.M.	12.80	-0.599	12.201	0.20	...	...	...



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 28th August 1919.

Name of river and place where readings were taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	28th Aug. 1919	6 A.M. ...	24.27	101.83'	126.10'	...	0.40'	121.70'	123.00'	
	28th "	6 " "	26.20'	56.319'	82.519'	...	0.10'	80.56'	81.31'	
	28th "	8 hours ...	22.50'	...	...	...	0.20'	20.80'	24.70'	
Brahmaputra	28th "	8 A.M. ...	14.70'	148.76'	163.46'	...	0.30'	167.06'	176.86'	
	28th "	12 hours ...	33.80'	..	...	...	1.10'	...	...	
	28th "	8 A.M. ...	13.95'	...	...	0.45'	...	...	...	
Meghna	28th "	6 hours	15.42'	1.61'	17.03'	0.17'	...	...	...	
	28th "	8 " "	12.42'	1.61'	14.03'	...	0.16'	...	...	
	28th "	7 A.M. ...	24.75'	...	...	...	0.05'	...	...	
Dhaleswari	28th "	7 " "	25.90'	-8.62'	17.28'	0.10'	...	...	...	
	28th "	6 " "	27.39'	1.509'	28.899'	...	0.10'	26.63'	29.70'	
Damodar	28th "	6 " "	6.75'	92.58'	99.33'	...	0.75'	...	...	
Lakhya	28th "	...	21.29'	-5.59'	15.70'	...	0.15'	...	...	
Madaripur-Bil Route	28th "	6 A.M. ...	13.00'	-0.599'	12.401'	0.20'	...	...	...	

## Vital Statistics of the Towns with a population of 10,000

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1911.			BIRTHS REGISTERED.		DEATHS		
			Male.	Female.	Total.	Number registered (excluding still- births).	Still-born number registered.	Cholera.	Small- pox.	Plague.
Burdwan	1	Burdwan	20,527	15,394	35,921	16	...	8	4	...
	2	Raniganj	8,417	7,080	15,497	13	...	...	...	...
	3	Asansol	12,486	9,433	21,919	45	1	24	...	...
Bankura	4	Bankura	12,156	11,297	23,453	37	...	...	...	...
	5	Vishnupur	10,025	10,453	20,478	22	...	19	1	...
	6	Sonamukhi	6,254	7,021	13,275	6	...	1	...	...
Midnapore	7	Midnapore	17,577	15,163	32,740	22	...	5	...	...
	8	Ghatal	6,216	5,848	12,064	5	2	...	1	...
Hooghly	9	Hooghly and Chin- sura.	15,817	13,099	28,916	51	...	...	...	...
	10	Seraipore	19,639	12,439	32,078	40	...	7	1	...
	11	Rishra Konuagore...	10,724	6,792	17,516	16	...	...	...	...
	12	Baidyabati	Figures not available			16,131	13	...	1	1
	13	Bhadreswar				13,441	11	...	3	2
Howrah	14	Chandpani				15,297	8	...	...	...
	15	Howrah	114,829	64,560	179,389	258	...	78	53	...
	16	Bally	14,217	8,177	22,394	29	...	13	5	...
	17	Cossipore-Chitpur	30,793	17,385	48,178	52	2	16	13	...
	18	Maniktala	31,735	22,032	53,767	50	11	12	12	...
	19	South Suburban	17,683	13,850	31,533	49	...	2	...	...
	20	Tollygunge	11,183	7,250	18,433	28	...	2	1	...
	21	Garden Reach	27,665	17,630	45,295	50	...	11	1	...
	22	Budge-Budge	11,529	6,453	17,982	9	...	2	...	...
	23	Baranagar	14,982	10,913	25,895	25	1	5	6	...
24-Parganas	24	Kamarhati	11,243	6,772	18,015	15	...	5	4	...
	25	Rajpur	5,762	5,845	11,607	14	...	...	...	...
	26	South Dum-Dum	7,760	5,114	12,874	14	...	1	...	...
	27	Barrackpore	11,357	6,944	18,301	8	...	7	...	...
	28	Panihati	6,339	4,779	11,118	9	...	2	1	...
	29	North Barrackpore...	9,780	6,340	16,120	19	...	5	1	...
	30	Tittagarh	31,225	13,946	45,171	31	5	13	4	...
	31	Garnlia	7,876	3,704	11,580	4	...	1	2	...
	32	Naihati	11,685	6,534	18,219	13	...	23	1	...
	33	Bhatpara	34,739	15,675	50,414	28	1	37	5	...
	34	Basirhat	9,517	8,814	18,331	20	...	...	...	...
	35	Baduria	7,058	6,622	13,680	20	...	...	...	...
Calcutta	36	Calcutta	607,674	288,393	896,067	1,102	79	276	208	13
Nadia	37	Krishnagar	11,767	11,708	23,475	11	...	...	...	...
	38	Nadia or Nabadwip	5,821	6,659	12,480	11	...	3	...	...
	39	Santipur	12,186	14,517	26,703	29	...	...	1	...



and over, of Bengal, for the month of June 1919.

REGISTERED.											No.	Towns.
Fever.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries including suicide.	Other causes.	Total of all causes.			Total of corresponding month of previous year.				
					Male.	Female.	Total.	Male.	Female.	Total.		
32	21	8	3	19	56	39	95	44	34	78	1	Burdwan.
5	1	1	2	4	8	5	13	15	4	19	2	Raniganj.
20	2	2	3	2	34	19	53	17	18	35	3	Asansol.
11	...	2	...	15	16	12	28	11	14	25	4	Bankura.
9	4	2	1	4	21	19	40	10	16	26	5	Vishnupur.
10	2	2	1	4	11	9	20	11	6	17	6	Sonamukhi.
27	6	4	...	7	18	31	49	21	15	36	7	Midnapore.
10	8	1	1	...	7	9	16	7	12	19	8	Ghatal.
12	7	6	2	7	19	15	34	28	24	52	9	Hooghly and Chinsura.
13	12	7	1	8	24	25	49	26	15	41	10	Serampore.
13	2	1	1	4	8	13	21	17	9	26	11	Rishra Konnagore.
10	3	3	...	6	14	10	24	14	9	23	12	Baidyabati.
4	4	1	...	3	4	13	17	4	3	7	13	Bhadreswar.
13	2	2	...	3	11	9	20	5	4	9	14	Champdani.
210	56	101	9	117	345	279	624	239	164	403	15	Howrah.
15	3	1	...	4	21	20	41	17	8	25	16	Bally.
29	7	29	2	24	68	52	120	58	51	109	17	Cossipore-Chitpur.
31	11	33	...	43	73	69	142	73	61	134	18	Maniktala.
18	2	5	1	3	22	9	31	23	16	39	19	South Suburban.
9	...	1	...	...	6	7	13	11	11	22	20	Tollygunge.
38	10	8	4	25	71	26	97	44	33	77	21	Garden Reach.
1	1	1	...	3	5	3	8	13	4	17	22	Budge-Budge.
24	21	7	4	21	51	37	88	25	13	38	23	Baranagore.
27	4	1	...	6	34	13	47	18	3	21	24	Kamarhati.
12	1	...	...	...	8	5	13	9	5	14	25	Rajpur.
6	2	2	...	2	9	4	13	18	8	26	26	South Dum-Dum.
11	2	1	...	3	17	7	24	1	1	2	27	Barrackpore.
11	2	2	...	3	15	6	21	7	4	11	28	Panibati.
14	3	5	1	5	23	11	34	10	9	19	29	North Barrackpore.
77	7	...	1	19	76	45	121	33	29	62	30	Titagarh.
...	1	...	...	...	4	...	4	1	2	3	31	Garulia.
14	1	1	...	6	23	23	46	10	5	15	32	Naihati.
32	3	1	...	4	52	30	82	46	18	64	33	Bhatpara.
14	1	...	1	2	10	8	18	19	15	34	34	Basirhat.
6	...	...	...	1	5	2	7	9	7	16	35	Baduria.
305	204	470	40	834	1,348	1,002	2,350	1,131	806	1,937	36	Calcutta.
4	...	4	...	1	5	4	9	7	4	11	37	Krishnagar.
17	...	...	1	...	12	9	21	8	11	19	38	Nadia or Nabadwip.
22	1	4	1	12	18	23	41	13	23	36	39	Santipur.

**Vital Statistics of the Towns with a population of 10,000**

Districts.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1911.			BIRTHS REGISTERED.		DEATHS		
			Male.	Female.	Total.	Number registered (excluding still- births.)	Still-born number registered.	Cholera.	Small- pox.	Plague.
Murshidabad	40	Berhampore ...	14,302	11,841	26,143	29	2	...	...	...
	41	Murshidabad ...	6,259	6,410	12,669	5	...	...	...	...
	42	Ajimganj ...	6,725	5,602	12,327	7	...	6	2	...
	43	Kandi ...	6,212	6,426	12,638	20	...	...	3	...
	44	Jangipur ...	5,493	5,915	11,408	16	...	4	...	...
Khulna	45	Khulna ...	7,983	5,013	12,996	10	...	8	...	...
	46	Satkhira ...	5,802	5,100	10,902	1	...	...	...	...
Rajshahi	47	Rampur-Boalia ...	13,057	10,349	23,406	44	1	...	2	...
Dinajpur	48	Dinajpur ...	9,648	6,297	15,945	9	...	...	3	...
Jalpaiguri	49	Jalpaiguri ...	7,547	4,218	11,765	5	...	...	1	...
Darjeeling	50	Darjeeling ...	11,631	7,374	19,005	17	1	1	...	...
Rangpur	51	Rangpur ...	10,509	5,920	16,429	11	...	...	...	...
Pabna	52	Pabna ...	10,056	9,218	19,274	12	...	...	1	...
	53	Sirajganj ...	13,236	11,541	24,777	15	1	1	1	...
Malda	54	English Bazar ...	7,697	6,625	14,322	15	...	...	3	...
	55	Nawabganj ...	11,122	12,200	23,322	25	...	3	...	...
Dacca	56	Dacca ...	63,091	45,460	108,551	165	7	1	41	...
	57	Narayanganj ...	18,738	9,138	27,876	40	2	...	1	...
Mymensingh	58	Mymensingh ...	13,462	6,391	19,853	15	1	4	1	...
	59	Netrakona ...	8,018	5,722	13,740	3	...	11	1	...
	60	Jamalpur ...	11,728	9,381	21,109	27	...	...	2	...
	61	Sherpur ...	8,516	7,075	15,591	22	...	...	...	...
	62	Kishoreganj ...	9,508	8,518	18,026	20	4	1	1	...
	63	Bajitpur ...	5,447	5,385	10,833	3	...	5	...	...
	64	Tangail ...	8,493	7,869	16,362	7	...	...	...	...
Faridpur	65	Faridpur ...	8,017	5,114	13,131	18	...	1	...	...
	66	Madaripur ...	10,549	8,524	19,073	30	1	3	3	...
Bakarganj	67	Barisal ...	15,488	6,985	22,473	14	...	2	...	...
	68	Pirojpur ...	6,523	5,473	11,996	25	...	9	...	...
Chittagong	69	Chittagong ...	18,779	9,987	28,766	38	2	3	...	...
Tippera	70	Comilla ...	13,706	8,986	22,692	28	...	38	...	...
	71	Brahmanbaria ...	11,671	10,624	22,295	32	...	4	1	...
	72	Chandpur ...	9,062	3,655	12,717	14	...	...	...	...
Total of month...			...	...	2,618,159	2,951	124	687	395	13
Total of corresponding month of previous year.			...	...	...	3,450	110	409	113	54
Increase + or decrease —			...	...	...	-499	+14	+278	+282	-41

## REMARKS—

1. The above table is compiled from returns collected by the Municipalities and submitted to this office by the Civil Surgeons. Taken as a whole, the returns are in a few instances obviously incomplete.
2. The vital statistics of Municipalities with a population of less than 10,000 have been excluded from this statement and incorporated in the statement of the Municipalities with a population of less than 10,000.
3. The birth and death ratios per 1,000 per annum have been omitted from this statement according to the Government of India, Education Department, Circular No. 10,000, dated 1st April 1919.

CALCUTTA,  
The 28th August 1919.



and over, of Bengal, for the month of June 1919—concl'd.

REGISTERED.

Fever.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries including suicide.	Other causes.	Total of all causes.			Total of corresponding month of previous year.			No.	Towns.
					Male.	Female.	Total.	Male.	Female.	Total.		
7	8	4	1	18	28	10	38	15	12	27	40	Berhampore.
11	...	...	...	...	7	4	11	7	13	20	41	Murshidabad.
6	2	1	...	3	11	9	20	9	2	11	42	Ajimganj.
4	...	...	...	5	6	6	12	8	6	14	43	Kandi.
17	...	...	...	...	7	14	21	6	1	7	44	Jangipur.
15	2	1	...	...	17	9	26	11	5	16	54	Khulna.
3	1	1	...	1	4	2	6	4	2	6	46	Satkhira.
9	2	...	1	6	13	7	20	14	14	28	47	Rampur-Boalia.
6	5	1	...	2	8	9	17	5	5	10	48	Dinajpur.
4	1	2	3	4	9	6	15	10	5	15	49	Jalpaiguri.
15	1	9	1	4	23	8	31	17	8	25	50	Darjeeling.
9	1	1	...	6	8	9	17	15	8	23	51	Rangpur.
7	...	...	...	4	7	5	12	5	4	9	52	Pabna.
22	...	1	...	3	14	14	28	3	3	6	53	Sirajganj.
6	...	2	...	1	9	3	12	9	11	20	54	English-Bazar.
4	...	...	...	...	6	1	7	5	4	9	55	Nawabganj.
105	13	10	7	57	122	112	234	101	67	168	56	Dacca.
18	1	2	1	16	26	13	39	14	12	26	57	Narayanganj.
20	2	2	1	4	21	13	34	9	4	13	58	Mymensingh.
8	...	...	...	...	13	7	20	6	1	7	59	Netrokona.
23	1	1	2	4	20	13	33	11	16	27	60	Jamalpur.
5	...	1	2	10	11	7	18	13	10	23	61	Sherpur.
7	10	1	...	5	15	10	25	13	9	22	62	Kishoreganj.
7	4	...	...	5	8	13	21	9	4	13	63	Bajitpur.
5	...	...	...	2	4	3	7	8	5	13	64	Tangail.
8	1	1	...	1	7	5	12	9	7	16	65	Faridpur.
10	1	1	1	7	16	10	26	13	13	26	66	Madaripur.
11	3	...	...	4	17	3	20	12	6	18	67	Barisal.
7	1	1	1	2	16	5	21	7	1	8	68	Pirojpur.
15	2	3	...	9	18	14	32	39	35	74	69	Chittagong.
8	5	...	...	4	33	22	55	9	6	15	70	Comilla.
12	2	4	...	10	19	14	33	17	9	26	71	Brahmanbaria.
9	1	...	...	6	5	11	16	8	3	11	72	Chandpur.
1,559	482	769	101	1,427	3,120	2,313	5,433	...	...	...		
1,222	445	586	102	1,388	2,514	1,805	4,319	2,514	1,805	4,319		
+337	+37	+183	—1	+39	+606	+508	+1,114	...	...	...		

whole the table possesses a relative value, although the figures for individual towns probably only approximate to the actual in a proportion reported in the returns for districts—vide Bengal Government, Municipal Department, letter No. 118San., dated the 8th February 1918. Non Department, letter No. 93, dated the 26th March 1918.

CHARLES A. BENTLEY,  
Sanitary Commissioner for Bengal.

**Vital Statistics of the Districts excluding Towns, of Bengal, with a population**

Division.	No.	Districts.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1911.			BIRTHS REGISTERED.		DEATHS		
			Male.	Female.	Total.	Number registered (exclud- ing still- births).	Still-born number registered.	Cholera.	Small- pox.	Plague.
Burdwan	1	Burdwan	728,894	736,140	1,465,034	2,562	6	218	48	...
	2	Birbhum	463,838	471,635	935,473	1,957	34	60	30	...
	3	Bankura	534,150	547,314	1,081,464	2,645	1	110	38	...
	4	Midnapore	1,386,921	1,389,476	2,776,397	4,754	88	257	153	...
	5	Hooghly and Seram- pore.	481,989	484,729	966,718	1,436	4	81	193	...
	6	Howrah	369,595	372,124	741,719	1,430	11	80	85	...
Presidency	7	24-Parganas	1,005,789	941,802	1,947,591	3,334	22	98	54	...
	8	Nadia	782,806	772,382	1,555,188	2,055	35	185	64	...
	9	Murshidabad	639,301	657,788	1,297,089	2,192	91	285	59	...
	10	Jessore	901,092	857,172	1,758,264	2,362	94	124	23	...
	11	Khulna	695,794	647,074	1,342,868	2,034	62	148	16	...
Rajshahi	12	Rajshahi	742,149	715,032	1,457,181	2,165	115	217	128	...
	13	Dinajpur	880,228	791,690	1,671,918	2,872	106	161	1,824	...
	14	Jalpaiguri	482,681	408,214	890,895	1,593	107	701	73	...
	15	Darjeeling	130,463	116,082	246,545	488	31	389	16	...
	16	Rangpur	1,244,208	1,124,693	2,368,901	3,518	212	293	1,106	...
	17	Bogra	502,526	481,041	983,567	1,281	44	45	358	...
	18	Pabna	700,299	684,236	1,384,535	1,899	97	342	410	...
	19	Malda	479,728	486,787	966,515	1,446	22	143	168	...
Dacca	20	Dacca	1,395,861	1,428,114	2,823,975	3,535	189	102	199	...
	21	Mymensingh	2,274,431	2,136,477	4,410,908	6,019	334	816	486	...
	22	Faaidpur	1,056,393	1,033,317	2,089,710	2,776	79	59	71	...
	23	Bakarganj	1,222,824	1,171,618	2,394,442	3,711	57	162	33	...
Chittagong	24	Chittagong	704,058	775,609	1,479,667	3,399	270	850	16	...
	25	Noakhali	645,898	656,192	1,302,090	2,272	164	114	39	...
	26	Tippera	1,208,642	1,163,792	2,372,434	3,331	215	250	493	...
	27	Chittagong Tracts.							Not under	
Total of month for Bengal			21,660,558	21,050,530	42,711,088	67,066	2,490	6,290	6,123	...
Total of corresponding month of previous year			...	...	...	86,976	3,380	2,811	1,008	...
Increase + or decrease -			...	...	...	19,910	- 890	3,479	5,115	...

REMARKS—1. The above table is compiled from returns collected by the thana police officers and submitted to this office by the to the actual.  
 2. The vital statistics of municipalities with a population of less than 10,000 have been included in this statement with  
 3. Divisional totals and the birth and death ratios per 1,000 per annum have been omitted from the statement according

CALCUTTA,  
 The 28th August 1919.



of 10,000 and over, for the month of June 1919.

REGISTERED.											Number.	Districts.
Fever.	Dysentery and Diarrhoea.	Respiratory diseases.	Injuries including suicide.	Other causes.	Total all causes.			Total of corresponding month of previous year.				
					Male.	Female.	Total.	Male.	Female.	Total.		
3,185	69	12	62	460	2,157	1,897	4,054	1,648	1,377	3,025	1	Burdwan.
1,985	12	2	37	170	1,262	1,034	2,296	947	863	1,810	2	Birbhum.
1,786	43	4	32	431	1,315	1,129	2,444	1,194	1,129	2,323	3	Bankura.
4,636	85	14	154	876	3,290	2,885	6,175	2,118	1,809	3,927	4	Midnapore.
1,580	85	25	47	220	1,146	1,025	2,171	945	834	1,779	5	Hooghly and Serampore.
620	221	54	58	246	753	611	1,364	578	430	1,008	6	Howrah.
2,037	50	45	137	344	1,490	1,275	2,765	1,468	1,148	2,616	7	24-Parganas.
2,479	6	14	88	274	1,683	1,427	3,110	1,782	1,532	3,314	8	Nadia.
2,147	6	22	89	309	1,592	1,325	2,917	1,409	1,179	2,588	9	Murshidabad.
2,443	1	3	100	197	1,570	1,321	2,891	1,464	1,196	2,660	10	Jessore.
1,917	19	7	97	489	1,475	1,218	2,693	1,156	1,017	2,173	11	Khulna.
2,523	2	2	88	170	1,697	1,433	3,130	1,488	1,356	2,844	12	Rajshahi.
3,238	6	7	74	79	2,894	2,495	5,389	2,033	1,615	3,648	13	Dinajpur.
2,146	220	40	12	168	1,835	1,525	3,360	1,323	1,127	2,450	14	Jalpaiguri.
878	186	13	4	162	835	813	1,648	441	370	811	15	Darjeeling.
3,929	6	3	72	63	2,969	2,503	5,472	2,370	1,929	4,299	16	Rangpur.
1,233	19	10	48	110	1,010	813	1,823	869	668	1,537	17	Bogra.
2,693	11	3	49	116	1,950	1,674	3,624	1,527	1,238	2,765	18	Pabna.
1,697	...	1	45	139	1,191	1,002	2,193	1,124	804	1,928	19	Malda.
2,784	85	13	89	700	2,160	1,812	3,972	2,060	1,629	3,689	20	Dacca.
5,941	60	23	129	767	4,393	3,829	8,222	3,753	3,286	7,039	21	Mymensingh.
2,733	34	9	119	459	1,899	1,585	3,484	1,613	1,371	2,984	22	Faridpur.
3,494	133	12	121	1,084	2,776	2,263	5,039	2,087	1,644	3,731	23	Bakarganj.
4,018	49	...	53	80	2,518	2,548	5,066	3,123	3,081	6,204	24	Chittagong.
2,488	23	...	80	298	1,567	1,475	3,042	1,925	2,073	3,998	25	Noakhali.
3,655	144	8	70	532	2,917	2,235	5,152	2,110	1,757	3,867	26	Tippera.
registration.											27	Chittagong Hill Tracts.
68,265	1,575	346	1,954	8,943	50,344	43,152	93,496				...	
61,532	1,515	284	1,803	10,064	42,555	36,462	79,017	42,555	36,462	79,017		
+6,733	+60	+62	+151	-1,121	+7,789	+6,690	+14,479					

Civil Surgeons. Taken as a whole the table possesses a relative value, although the figures for individual districts probably only approximate those of the respective districts as per Government of Bengal, Municipal Department, letter No. 118San, dated the 8th February 1918. to the Government of India, Education Department, letter No. 93, dated the 26th March 1918.

CHARLES A. BENTLEY,  
Sanitary Commissioner for Bengal.

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

**Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 30th August 1919, as compared with the corresponding week of the previous year.**

Nature of Cargo.	WEEK ENDING SATURDAY, THE 30TH AUGUST 1919.			WEEK ENDING SATURDAY, THE 31ST AUGUST 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	416	31,490	539	807	96,610	1,597
Jute ...	61	26,840*	286	68	23,262†	293
Firewood ...	70	45,500	684	170	66,925	1,074
Other articles ...	704	201,751	1,922	781	170,620	1,985
Total ...	1,251	305,581	3,431	1,826	357,417	4,949
Empty boats and rafts ...	474	...	1,276	582	...	1,774
GRAND TOTAL ...	1,725	305,581	4,707	2,408	357,417	6,723

Mds.  
\* Weight by canal measurement ... 29,850  
Ditto ditto ... 26,335

CALCUTTA,  
The 2nd September 1919.

G. J. ST. C. SEDGLEY,  
Under-Secy. to the Govt. of Bengal.

**Statement showing the gauge-readings at Dacca Water-works Station on the river Burliganga for the week ending the 23rd August 1919.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
17th Aug.	64'0	...	...	...	...	64'0	
18th "	64'05	...	...	...	...	64'15	
19th "	64'1	...	...	...	...	64'05	
20th "	64'0	...	...	...	...	64'0	
21st "	63'9	...	...	...	...	63'85	
22nd "	63'8	...	...	...	...	63'75	
23rd "	63'75	...	...	...	...	63'7	

*Notable high and low water-levels of previous years.*

27th August	1906	...	...	...	70'5	} Taken at high tide.
5th September	1909	...	...	...	67'86	
10th August	1910	...	...	...	69'85	
1st "	1911	...	...	...	68'46	
18th "	1912	...	...	...	67'16	
31st "	1915	...	...	...	68'7	
18th "	1916	...	...	...	68'1	} Taken at low tide.
12th "	1917	...	...	...	67'1	
31st "	1918	...	...	...	69'12	
18th February	1907	...	...	...	61'06	
18th "	1908	...	...	...	61'06	
12th March	1912	...	...	...	61'06	
6th "	1914	...	...	...	59'50	
22nd February	1915	...	...	...	59'30	
15th "	1916	...	...	...	59'60	
8th March	1917	...	...	...	61'0	
21st February	1918	...	...	...	61'40	

DACCA,  
The 26th August 1919.

W. J. KERR,  
Executive Engr., Dacca Division.



**Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boaila for the week ending the 23rd August 1919.**

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
17th August	8 A.M.	Zero of gauge is at mean sea-level.	60.90	56.96	B. M. on College step corrected (P. W. D.) 64.93.
18th "	8 "		61.05	57.01	
19th "	8 "		15.20	56.81	
20th "	8 "		61.45	56.56	
21st "	8 "		61.40	56.41	
22nd "	8 "		61.40	56.41	
23rd "	8 "		61.28	56.41	

(a) Datum corrected by adding 1.51 to the value of zero, vide Superintending Engineer's No.  $\frac{2876}{8-35-17}$ , dated 10th May 1919, and Bengal Government, Public Works Department, Irrigation Branch, Resolution No. 4521, dated 17th February 1919.

	Old value.	According to P. W. D. datum.
The previous year ... Highest water-level ...	65.52 on 30th August 1918	61.71
Ditto ... Lowest " ...	41.70 on 21st April 1918	36.89
Record ... Highest " ...	69.25 on 26th August 1879	64.44
Do. ... Ditto " ...	68.08 on 9th September 1885	64.27
Do. ... Ditto " ...	68.39 on 25th August 1906	63.47
Do. ... Ditto " ...	68.21 on 26th August 1890	63.40
Do. ... Lowest " ...	37.63 on 25th April 1884	32.22
Do. ... Ditto " ...	38.18 on 14th—15th April 1883	33.32
Do. ... Ditto " ...	39.02 on 21st—22nd April 1897	34.21
Do. ... Ditto " ...	39.28 on 6th—7th May 1908	34.47

N. B.—The gauge-readings commenced from the 1st August 1887.

BOALIA,  
The 23rd August 1919.

S. C. BHATTACHARJI,  
for Executive Engineer, Rajshahi Divn.

**Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 23rd August 1919.**

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
17th August	7 A.M.	22.5	22.5	23.0	Zero is placed at mean sea-level.
18th "	7 "	22.5	22.5	23.1	The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpore ghât. Its reduced level is 22.41.
19th "	7 "	22.6	22.6	23.1	
20th "	7 "	22.6	22.6	23.1	
21st "	7 "	22.5	22.5	23.1	
22nd "	7 "	22.5	22.5	23.1	
23rd "	7 "	22.5	22.5	23.2	

The previous year ... Highest water-level ...	25.2 on 1st September 1918.
Ditto ... Lowest " ...	5.3 on 9th March 1918.
Record (H.F. in Brahmaputra and Ganges) ... Highest " ...	25.75 on 28th August 1906.
Record (average flood in Brahmaputra and Ganges) ... Ditto " ...	25.74 on 20th and 21st August 1898.
Record (H.F. in Brahmaputra and Ganges) ... Ditto " ...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Record (H.F. in Brahmaputra only) ... Ditto " ...	25.66 on 31st July 1906.
Do. ... Lowest " ...	1.0 on 8th February 1914.
Do. ... Ditto " ...	2.42 on 18th March 1908.
Do. ... Ditto " ...	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do. ... Ditto " ...	3.16 on 9th to 11th March 1885.
Do. ... Ditto " ...	3.16 on 16th, 17th and 29th to 31st March 1901.

N.B.—The gauge-readings commenced from 27th October 1909.

FARIDPUR,  
The 25th August 1919.

R. K. GHOSE,  
for Subdivisional Officer, P. W. D., Faridpur.



# The Calcutta Gazette

WEDNESDAY, SEPTEMBER 10, 1919.

## SUPPLEMENT.

### OFFICIAL PAPERS.

[Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]

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## REPORT ON FAMINE IN THE DISTRICT OF BANKURA FOR THE WEEK ENDING 30TH AUGUST 1919.

THE rainfall during the week was general and sufficient. Transplantation has been completed. The prospects of the autumn and winter paddy crops are favourable. Distress is decreasing. Seventy-one relief works were open during the week. The number of persons relieved on works was 8,998. The number of persons in receipt of gratuitous relief was 15,752, viz., 10,604 on cash doles in 125 unions, 3,683 on paddy-husking advances, 885 weavers and 580 better class poor. The grand total of persons relieved was 24,750. The increase in the number of persons on relief works was due to the completion of field operations, and the decrease in the numbers in receipt of cash doles was due to better agricultural prospects. The number of persons relieved on private works was 655. The charitable societies also relieved 627 persons on weekly rice doles and 900 on daily rice doles and by cooked food. During the week three grain-looting cases were reported. Public health is generally good. The outbreak of malaria in certain localities is reported. Cloth is being distributed to destitutes. The relief measures are adequate. The price of common rice varies from 5 to 5½ seers in the rupee. Burma rice is being sold.

M. C. MCALPIN,  
Secy. to the Govt. of Bengal.

CALCUTTA, the 4th September 1919.



**RESOLUTION ON THE REPORT ON THE POLICE ADMINISTRATION IN THE BENGAL PRESIDENCY FOR THE YEAR 1918.**

**GOVERNMENT OF BENGAL.**

**POLITICAL DEPARTMENT.**

**Police Branch.**

CALCUTTA, THE 3RD SEPTEMBER 1919.

**RESOLUTION—No. 3306P.J.**

**READ—**

The Report on Police Administration in the Bengal Presidency for the year 1918.

**Read also—**

The Report on Police Administration in the Bengal Presidency for the year 1917 and the Resolution of Government thereon.

MR. C. W. C. PLOWDEN, C.I.E., held the post of Inspector-General of Police throughout the year, except for a period of three weeks, when he was on privilege leave, and Mr. T. C. Simpson acted for him in addition to his own duties as Assistant Inspector-General.

2. The Military Police Battalion under Major Macpherson fully maintained its reputation for discipline and efficiency, in spite of many demands on its services for unaccustomed duties which interfered with its regular training. During the year sanction was received to the addition of a company to the battalion, and recruitment is now going on. Since the close of the year, the General Officer Commanding the Presidency Brigade has inspected the battalion, and remarked that the standard of drill and training is very satisfactory, considering that the battalion has, since the outbreak of the war, been without its full complement of military officers. It is hoped that this defect will soon be removed.

3. The superior cadre of the service was increased during the year by the addition of an appointment of Additional Superintendent for the Faridpur district. Four temporary appointments of deputy superintendents were also made permanent.

The strength of the subordinate police force was increased by about 200 men, mainly in connection with the establishment of new investigating centres. The special armed force was increased in Chittagong, Dacca and Jalpaiguri, and since the close of the year sanction has been given to an increase in the emergency force in Noakhali.

Service in the armed branch continues to be unpopular. The Inspector-General of Police thinks that before long the question of increasing the pay of the branch will have to be considered, as the extra rupee allowed to the armed police does not compensate the men for the loss of the easier conditions and cheaper living in the mufassal enjoyed by the unarmed branch.

4. The number of recruits enlisted during the year was 2,911, of whom 1,847 or 63 per cent. were Bengalis, a larger proportion than in any previous year. The improvement in local recruiting is very satisfactory, and would be more rapid but for the difficulty that a large proportion of the candidates for enlistment fail to come up to the required standard of height and chest measurement, though the latter has been reduced, in the case of Bengalis, to 30 inches. Steps are being taken to recruit men of the Bengali Regiment who desire to join the police. The difficulty of securing upcountry recruits is however increasing. The men who formerly enlisted now prefer employment in the mills and collieries, and though a special recruiting party was deputed to the United Provinces only 445 recruits were obtained. At the close of the year, there were over 500

vacancies among constables, 134 of which were in the district of the 24-Parganas, where, as also in Hôwrah and Hooghly, it is difficult to induce local men to enlist. The probationary sub-inspectors appointed during the year included 40 graduates, and a few direct appointments were made in the rank of head constables, mostly from among candidates who had failed to secure sub-inspectorships. Sanction was given to a scheme for the direct appointment of graduates in law to the post of court inspector up to a limit of 10 per cent. of the annual vacancies.

5. The figures under the various heads of casualties rose from 1,999 to 2,898. The number of resignations rose from 666 in 1917 to 1,215 in the year under review. The Inspector-General attributes this large increase to various causes, not the least important of which is the refusal of leave on account of the inadequacy of the leave reserve. An increase in the scale of the ordinary reserve of head constables and constables recently sanctioned by the Secretary of State will improve the position in this respect.

The year was particularly unhealthy on account of the wide outbreak of influenza all over the country. An increase in mortality was therefore inevitable, while admissions into hospital rose by 1,440. Improvement in the housing of the police in the mufassal is urgently called for, but progress in this respect has been much hampered during the war owing to lack of funds.

6. There was a further increase in the number of officers and men who were rewarded either in money or with good service marks, and the amount of money disbursed in this way exceeded that spent last year by more than Rs. 13,000. The proportion of officers and men judicially punished for all offences remained stationary at 1·3 per cent. of the force. Of the 450 criminal cases against the police which were disposed of during the year, only 57 ended in conviction. Five police officers were accused of torture, but it is satisfactory that none of these charges were proved, while, with the exception of two sub-inspectors convicted of extortion and one constable convicted of bribery, the majority of the cases in which convictions were obtained were petty offences committed by constables. Of 30 civil suits instituted against the police, 17 were dismissed and 13 were pending at the close of the year.

\* 7. During the year, the river police fleet was strengthened by the addition of five steam launches, two floating thanas, one *pansway* boat, four *ghasi* and forty-one *dinghi* boats. Twelve more launches are still required to complete the number sanctioned. The river police patrols have been able to effect a marked decrease in river crime in several districts. A notorious river dacoit, who was arrested during the year, admitted that, owing to the effective patrolling of the larger rivers, he and his fellow criminals had shifted the scene of their operations to the *khals* and smaller rivers. As usual, a feature of the work of the river police was the rescue of boats and crews in stormy weather. Altogether the officers and men of the river police rescued 78 persons from drowning, in many cases at great personal risk.

8. A revised curriculum of training for probationary sub-inspectors was introduced at the Sardah Training College at the beginning of the year, the main object being to give more time for practical work. The institution has grown considerably since it was first established, and a proposal for the appointment of an Assistant Principal is now under the consideration of Government.

9. The reports on the working of the village police are on the whole satisfactory, and the Inspector-General has furnished interesting details of several plucky acts of *chaukidars* in arresting criminals. The *dafadari* system, inaugurated in the Madaripur subdivision of the Faridpur district in 1914 as an experiment, has achieved a considerable measure of success. In Dacca, the panchayats continued to co-operate with the police in successful preventive work, but elsewhere, though on the whole the presidents of panchayats and the circle officers are willing to give the police every assistance, there is room for more regular and systematic co-operation between these three authorities. The instructions issued by the District Magistrate of Dacca have brought about a great improvement in this respect in the



Dacca district, and similar action might well be taken elsewhere. In spite of the remarks made on this subject in previous years, there are still indications that, in some districts, insufficient liberality is shown in rewarding *chaukidars* for good work. The Inspector-General of Police suggests that this may be due to the fact that Superintendents of Police are not kept fully informed of the state of the reward fund and of the amount available for distribution, but this difficulty can easily be removed by arrangement between the District Magistrate and the Superintendent, and cannot be accepted as an excuse for unsatisfactory *chaukidari* administration.

10. The amount spent on the police during the year 1918-19 was Rs. 1,05,83,092, as against Rs. 99,22,652 in the previous year, the increase being due mainly to additions to the force. A sum of Rs. 18 lakhs was spent on police buildings. The whole of the special grant given by the Government of India for non-recurring expenditure in connection with the reorganization of the police in the area which now forms the Presidency of Bengal has been spent, and any further expenditure on police buildings will have to be met from provincial revenues. No final estimate of the total cost of putting the police buildings of the province on a satisfactory footing has been drawn up, but the estimated cost of the works administratively approved for execution when funds are available amounts to over Rs. 80 lakhs.

11. There was a small decrease in the total volume of cognizable crime, and under most of the important heads, except robbery and dacoity. Including 12 unreported cases of the previous year and 82 *hât-looting* cases, the figure under dacoity rose from 437 in 1917 to 638, though burglaries decreased by 1,052 cases. The year was one of considerable economic stress, and this factor, together with the general unrest caused by the war, is largely responsible for the increase. While the restoration of peace, the conviction of some gangs and the vigorous preventive measures which have been taken will, it is hoped, effect an improvement, the restoration of normal conditions cannot be expected until the economic situation improves.

12. The results of the cases tried by the Courts compare favourably with those of other provinces in India and afford a satisfactory indication of the care with which cases are investigated. During the year 1,570 cases were found maliciously false by Magistrates, and prosecutions were undertaken in 448 cases, convictions being obtained in 163 cases. The results show an improvement over those of previous year and in some districts were particularly satisfactory. Elsewhere the matter requires closer attention at the hands both of trying Magistrates and of inspecting officers.

It is satisfactory to find that Magistrates are exercising greater discretion in sending petty cases to the police for enquiry, but in some districts there is still room for improvement in this respect. His Excellency in Council regrets to find further deterioration in the prompt disposal of cases by Magistrates. Attention was called to this matter last year, but little improvement can be expected until Magistrates realise that it is their duty to show greater firmness in refusing unnecessary adjournments.

13. There was a further decrease in revolutionary crime during the year, the number of dacoities being only three as compared with nine in 1917 and twenty-four in 1916. For the first time since 1907, no member of the public lost his life at the hands of the revolutionary party. The Governor in Council has, however, to deplore the loss of three brave police officers who were killed while attempting to arrest anarchists. A number of prominent revolutionaries were arrested and some significant seizures of arms and other implements of revolutionary crime were made. The party which seeks to attain its ends by violent crime is still alive, but the record of the year is a hopeful augury of the final success of the officers of the Intelligence Branch in their struggle with revolutionary conspiracy.

14. The Criminal Investigation Department was again largely occupied with measures for the repression of dacoity, and after protracted enquiry succeeded in bringing to justice many organised gangs in Bakarganj, Khulna, Midnapore, Hooghly, Howrah and other districts of the Presidency. Great credit is due to the officers of the Criminal Investigation Department for their successful prosecution of the Darjeeling gang case, which was

instituted against a number of persons who, with the assistance of certain members of the Darjeeling-Himalayan Railway staff, had for some time been systematically stealing goods in transit. The department also secured the conviction of eight persons for instituting fraudulent civil suits. The training school which was opened at Howrah in 1917 for the purpose of training officers in modern methods of detection has continued to do useful work, and good reports are being received of the officers who have completed the course. Some changes are being made in the curriculum as a consequence of the experience gained, the main object being to make the course of study more practical.

Ten gangs were declared under the Criminal Tribes Act during the year. The total number of gangs of habitual criminals which have been brought under control by the application of the provisions of the Act is now 58, and the total number of persons registered under the Act is 4,116.

15. The record of the year's work may be regarded as satisfactory. The force continued to be hampered by the absence of many officers of the Imperial service on military duty, and though the causes of unrest persisted, the situation has always been well in hand. The discipline of the force has been good and there have been few charges of serious misconduct against officers above the rank of constable. His Excellency in Council has read with pleasure the list of officers of all ranks who have been commended by the Inspector-General. The special acknowledgments of Government are due to Mr. Plowden, who has recently retired after 35 years' service in the Bengal Police. During this period he has seen the introduction of many important improvements and reforms for which he himself has been in no small measure responsible, and the Department has lost in him an officer of wide experience and much ability.

ORDER.—Ordered that copies of the Resolution be forwarded to the Inspector-General of Police, the Commissioner of Police, Calcutta, and all Commissioners of Divisions, for information.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Governor in Council,

J. H. KERR,

*Chief Secy. to the Govt. of Bengal.*



# REPORT ON THE WORKING OF THE LICENCED WAREHOUSE AND FIRE BRIGADE ACT FOR THE YEAR ENDING 31ST MARCH 1919.

## NOTIFICATION.

No. 3412M.—The 2nd September 1919.—The following is published for general information under section 41 of the Licensed Warehouse and Fire Brigade Act, 1893 (Bengal Act I of 1893).

S. W. GOODE,

Offg. Secy. to the Govt. of Bengal.

No. <sup>F. B. 49-19</sup><sub>1080</sub>, dated Calcutta, the 15th August 1919,

From—R. CLARKE, Esq., C.I.E., Commissioner of Police, Calcutta,

To—The Secy. to the Govt. of Bengal, Municipal Dept.

IN accordance with section 41, sub-section (2) of the Licensed Warehouse and Fire Brigade Act (I of 1893), I have the honour to submit herewith the report of the Chief Officer on the working of the Fire Brigade and Ambulance Department for the year ending the 31st March 1919.

No. <sup>F. B. 49-19</sup><sub>888</sub>, dated Calcutta, the 15th July 1919.

From—B. A. WESTBROOK, Esq., Chief Officer, Fire Brigade, Calcutta,

To—The Secy. to the Govt. of Bengal, Municipal Department.

(Through R. Clarke, Esq., C.I.E., Commissioner of Police, Calcutta.)

I HAVE the honour to submit the following report on the working of the Calcutta Fire Brigade for the financial year ending 31st March 1919.

On my return from military service on the 2nd day of May 1918, I resumed charge of the Fire Brigade. During my absence station officer Jarrett efficiently carried out these duties.

2. **Financial Statement.**—The statement of the receipts and expenditure and payments made by the municipalities within the jurisdiction of the Fire Brigade Act, I of 1893, is given in Appendix I.

3. **Fires, etc.**—The total number of fires, or supposed fires, dealt with by the Fire Brigade during the year under review is 540, being an increase of 113 as compared with the previous year, and resulting in—

Fires	...	...	...	421 (331 in 1917-18).
False alarms	...	...	...	113 ( 88 in 1917-18).
Calls for special service	...	...	...	12 ( 8 in 1917-18).

It is unsatisfactory to note that no less than 83 of the above false alarms were assumed to have been given wilfully. In seven instances the offenders were arrested by the police, but I regret to say that the light sentences imposed have not had a deterrent effect. However, the Fire Alarm system has proved to be of benefit, and undoubtedly many serious fires have been averted owing to the rapid means by which the Brigade can now be communicated with.

3. Twenty-four fires occurred in premises licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893, as compared with 15 in the previous year. The nature of the trades requiring licences under this Act are enumerated in Appendix XVII—

On one	day 9	fires or supposed fires occurred	...	9
On one	day 8	ditto	ditto	8
On two	days 7	ditto	ditto	14
On one	day 6	ditto	ditto	6
On six	days 5	ditto	ditto	30
On twenty	days 4	ditto	ditto	80
On thirty-five	days 3	ditto	ditto	105
On eighty-four	days 2	ditto	ditto	168
On one hundred and twenty	days 1	ditto	ditto	120
Total				540

Summaries are given in the Appendix showing—

- The district in which fires or supposed fires occurred (Appendix III).
- The number of fires on every day and month throughout the year (Appendix IV).
- Daily and hourly summary of fires or supposed fires (Appendix V).

The actual number of calls received during the year is 825 (588 in 1917-18), which figure included several instances where more than one call was received for the same fire. The means by which these calls were transmitted to the Brigade are given in Appendix II.

4. **Fire Loss.**—The damage caused by fire and water during the year is Rs. 15,50,274 (Rs. 7,82,835 in 1917-18), being an increase of Rs. 5,76,605 over the average for the past eight years. The increase of fire loss is mainly due to several serious fires in the jute presses in the Chitpur area during the latter part of the year, but I am glad to be able to report that the average damage per fire during the current year is Rs. 2,771 as compared with Rs. 4,727 for the past eight years. In practically every instance of serious fires there was delay in calling the Fire Brigade.

Summaries are given in Appendix showing—

- Damage caused by fire, etc., in various districts (Appendix VI).
- Classification of fires and calls (Appendix VII).
- Means by which fires were extinguished (Appendix VIII).
- Causes of fires and buildings affected (Appendix XV).
- Comparative statement for the past ten years (Appendix XVIII).

5. **Fire Reports.**—Short reports of fires (Rs. 1,000 damage and over), are given in Appendix IX.

6. **Appliances.**—Appendix X shows the present distribution of the principal appliances in use by the Brigade, and Appendix XI gives the number of times each appliance has been turned out in response to fire calls, with monthly figures.

It is estimated that motor appliances travelled 5,343½ miles and horse-drawn appliances 302 miles during the year in responding to and returning from calls.

Two more motor fire engines are now on order, but delivery has not been effected owing to war. It is, however, anticipated that these machines will be delivered shortly.

Throughout the year the appliances have been maintained in good working order by the Fire Brigade staff, notwithstanding the difficulties experienced in obtaining spare parts and shortage of material.

7. **Fire Stations.**—Appendix XII gives the number of times each station has been turned out in response to fire calls, together with monthly figures.

I regret to say that the headquarters of the Fire Brigade are still situated in the premises temporarily hired from the Samavaya Corporation, Limited. These premises are not satisfactory and involve a large rental. Various sites have been selected for the permanent Fire Brigade headquarters, but unfortunately these sites have been required for other purposes. However, a sum of Rs. 30,000 has been allocated to the cost of building for new headquarters, and it is hoped that suitable site will soon be found. At present it is anticipated that the site now occupied by the Corporation Gowkhana, District No. III (Lower Circular Road), will be utilised for this purpose.

In 1917 the District Fire Brigade station in Halliday Street for the protection of the Barabazar area had to be vacated owing to the Calcutta Improvement Trust requiring the land for road widening. Premises were temporarily hired at Entally for the men and machinery formerly at this Fire station. Unfortunately this temporary station is at a considerable distance from the area which it protects, but I am glad to say that a suitable site has been found in Halliday Street, and plans are now being prepared for the re-erection of a District Fire station adequate for the work which it will be called upon to do. In the forthcoming budget application has been made for a sum to cover the cost of the building, and I anticipate that building this District Fire



station will be commenced at a very early date. The Barabazar area comprises exceptional fire risks, and owing to the very congested state of the streets with slow moving traffic, considerable time is lost in arriving at a fire in this area from the present stations.

Plans are prepared for accommodation of additional appliances and men at the District Fire station, Chitpur. It is hoped that this work will shortly be taken in hand as this District Fire station protects the industrial area of Chitpur and Cossipur, comprising numerous jute presses, etc. Undoubtedly when this station is more adequately equipped considerable saving can be effected in the serious fires which constantly occur in this area. From Appendix VI it will be seen that the majority of the fire loss has occurred in the Chitpur area.

The District Fire station at Howrah remains the same, and I regret to say that it is situated in an exceptionally unhealthy position. I trust that arrangements will be made for it to be re-built on a more central and healthy site.

Negotiations are now in progress with the Commissioners for the Port of Calcutta to erect a District station at the Kidderpore Docks. This station will primarily protect the docks, but will also respond to the calls in the Kidderpore, Watgunge and Garden Reach areas, also to other districts when required. It is suggested that this station shall be equipped by men of the Calcutta Fire Brigade, which will obviate the necessity for the Commissioners of the Port of Calcutta maintaining a fire staff of their own.

When this station is erected it is proposed to vacate the existing Fire Stations at Garden Reach and Watgunge.

For the protection of the districts of Sova Bazar, Darmahata, etc., it is hoped that arrangements will be made to provide a Fire station in this area which comprises very severe fire risks.

A Fire station in this area as proposed will be of great value as it will work in conjunction with the District Fire station at Chitpur and undoubtedly will considerably improve the efficiency of the work of the Fire Brigade, especially in the northern end of the town.

8. **Staff.**—The total strength of the Fire Brigade is 221, and notwithstanding the large increase of work the Fire Brigade is called upon to do, the number of the fire-fighting staff remains practically as it was seven years ago.

The general conduct and discipline has been good. A large number of changes have necessarily taken place owing to men proceeding on active service.

During the past few years the Brigade has been very short-handed, and the strain on the men at times has been considerable. It is now hoped that, on demobilisation, a suitable class of men will again be enlisted in the Fire Brigade.

Further it is hoped that as new Fire stations are erected the strength of the Fire Brigade will be adequately increased. The existing establishment is insufficient for the work, and makes little provision for leave and sickness.

A revised scale of pay is now before Government. Unfortunately the pay has not increased in ratio to the cost of living, and an enhancement of salaries will be much appreciated by all ranks. The present scale compares unfavourably with that offered by private concerns and accounts for a large number of changes of personnel in the Brigade.

The following is the present scale of pay up to the rank of station officer :—

				Rs.	
Station officers	...	...	...	250—15—325	per month.
Ditto	...	...	...	200—10—250	ditto.
Engineers	...	...	...	150—10—200	ditto.

(One engineer receiving a personal allowance of Rs. 50 per month for being in charge of workshops.)

				Rs.	
Firemen	...	...	...	125—5—150	per month.
Tindals	...	...	...	(4)	35 per month.
Do	...	...	...	(5)	30 ditto.
Do	...	...	...	(6)	25 ditto.
Khalasies	...	...	...	(25)	20 ditto.
Do.	...	...	...	(100)	18 ditto.
Do.	...	...	...	(20)	16 ditto.

Under Government order No. 638 T.M., dated 27th August 1918, a storekeeper has been sanctioned and has been entertained from the 1st November 1918. The pay of the syces has been increased to Rs. 12 under Government order No. 2385 M., dated 23rd September 1918.

9. **Fatalities and Accidents.**—Short details of fires and calls involving loss of life and accidents are given in Appendix XIV.

I am glad to be able to report that the members of the Calcutta Fire Brigade have been remarkably free from serious accidents, especially when considering the dangerous nature of the work involved at fires in jute presses, warehouses, etc., where, owing to expansion of jute when wet and buildings of inferior construction, walls so rapidly collapse, often with very little warning.

The most serious accident to a member of the Fire Brigade occurred on March 9th at the Canal Jute Press, Chitpur, when engineer Tucker had the misfortune to fall through a hole in the roof. Engineer Tucker had been engaged in demolishing dangerous walls, and in stepping backwards on to the roof he fell down about 22 feet. He was fortunate in receiving injuries to his right arm only. The position of Engineer Tucker was for a time extremely dangerous as the walls surrounding him were almost on the point of falling. Engineer Tucker was quickly conveyed to a safe position and a very few minutes after this the walls collapsed.

The total number of fatalities during the year are 10 as compared with 7 in the previous year. Of these 6 are cases of suicide by burning.

First aid has been rendered in numerous cases by the Fire Brigade with the materials carried on the fire appliances.

10. **Horses.**—No change has been made in the horses. Sixteen are in commission, but on arrival of additional motor fire appliances it is hoped to cut down this number. But for the difficulty in obtaining motor fire appliances due to the war the motorisation of the Brigade would probably have been effected before this.

11. **Water-supply.**—For the purpose of reporting on the water-supply the area protected by the Fire Brigade must be divided into four districts, viz., the city of Calcutta, Chitpur, Howrah and Garden Reach and Maniktala.

The water for fire-extinguishing is supplied throughout the city of Calcutta by means of mains and hydrants on the unfiltered water system. In cases of necessity arrangements are made to give connection to a small number of the filtered water mains.

In several instances the water-supply in Calcutta has been found inadequate and hydrants have been found out of order. However, the Water department is making endeavours to improve the supply, but much remains to be done. Unfortunately in Calcutta the waste of unfiltered water is excessive, principally through hydrants being opened by unauthorised persons and taps left running. If stricter supervision could be exercised over these points improvement may be effected. In cases where it has been found that the mains are too small estimates have been put up to the Corporation for increasing the size of the mains, but owing to the shortage of pipes little progress has been possible in this direction.



Another difficulty in connection with the unfiltered water-supply is the large amount of shells, stones, etc., which have accumulated in the mains. When there is any extra flow, such as occurs at a fire, these foreign substances very frequently choke the hydrants in use, and consequently during the progress of a fire sometimes it is necessary to remove a fire engine to a fresh hydrant, which of course entails much delay.

So far as Chitpur is concerned a really dangerous state of affairs exists and the time is rapidly approaching when the Fire Brigade will be powerless to deal with fires in this district as no mains are provided for fire extinguishing, and the ponds, which have up to the present been relied upon for providing water for fire extinguishing, are rapidly being filled up on sanitary grounds.

The Chitpur district comprises an exceedingly important industrial area, and it is hoped that early arrangements will be made to provide an adequate water-supply.

Now that hostilities have ceased and it is possible to provide a new pumping plant for the Mullick Ghat pumping station (Calcutta), the suggestion is made that the existing pumping machinery at Mullick Ghat should be reinstated at the north end of Calcutta and mains laid throughout Chitpur area so that the benefit of this machinery can be extended to the industrial area in the Cossipur-Chitpur municipality. The supply of water will also be available for sanitation and road-watering.

The same remarks apply to Howrah. Undoubtedly serious fires in either of the above districts must result as a consequence of the utterly inadequate water-supply.

Owing to the lack of water in certain parts of Howrah the Fire Brigade is unable to cope with fires such as may occur and extreme difficulty will be experienced in preventing such fires from unduly spreading, especially as the existing fire-float belonging to the Port Commissioners cannot approach near to the shore owing to its deep draught. I understand, however, that a scheme for installing an unfiltered water-supply throughout Howrah is now under consideration.

Garden Reach and Maniktala, although not so congested as the above districts, have no system of water-supply and again in these areas tanks are continuously being filled up.

At present the floating fire-engine belonging to the Commissioners of the Port of Calcutta is utilised at practically every fire within reasonable reach of the river and where mains are not provided.

In many cases in order to converge the necessary number of streams of water at fires as many as one to two hundred lengths of hose, each of 75 feet, have had to be used. It will be realised that tackling of fire under this condition takes an excessive amount of time and a large percentage of the efficiency of the streams of water is lost owing to friction of hose.

Owing to the districts which are so inadequately provided with water the pumping plant and hose of the Fire Brigade will have to be materially increased in the near future. In many instances it will be necessary to utilise fire-engines in relays to obtain the requisite water pressure at a fire, and as has been before pointed out, the conditions are becoming considerably worse as ponds are filled up.

The provision of fire mains, especially in industrial areas, requires urgent consideration.

The fire-float still remains under the control of the Port Commissioners, but it is used by the Fire Brigade on all occasions when required for extinguishing fires on, or near the banks of, the river. The question of transfer of the control of the fire-float to the Fire Brigade is now before Government, and it is hoped that this question will be settled shortly, as efficient co-operation in working is not obtained owing to dual authority and training and insufficient crew to man the fire appliances of the fire-float.

It is hoped that arrangements will be made to expedite the delivery of the fire-float now on order by the Port Commissioners as increasing reliance has to be placed on floating pumps to supply water for land fire-engines at fires in the vicinity of the river; in fact in many cases now it is practically the only means of water-supply.

For several years past it has been pointed out that the existing fire-float is inadequate. It is very old, slow steaming, deep draught, insufficient pumping capacity, and frequently out of repair.

I have to thank the officers of the Water Works department of the Calcutta Corporation for their endeavours to improve the water-supply and for their attention to the various complaints which have been made.

## 12. Street Fire Alarms, Telephones and Electrical communications.—

Appendix II shows the means by which fire calls have been transmitted to the Fire Brigade.

Whilst it is satisfactory to note that many serious fires have been averted owing to the facilities installed for calling the Fire Brigade quickly, there have also been several cases where fire alarms have not been operated as quickly as they ought to have been, notably at the fire which occurred at the Theatre Royal, and various fires at Chitpur. However, the public no doubt are increasingly appreciating the Fire Alarm system, and the following figures show that considerable benefit has been derived therefrom.

In 224 cases calls were received by one or more fire alarms only, and in 57 cases calls were received first by fire alarms and followed by other means of calling the Fire Brigade.

In 182 cases calls were received by one or more public telephones only, and in 31 cases calls were received first by public telephone, and followed by other means of calling the Fire Brigade.

In 22 cases calls were received from firemen on "look-out" duty only, and in five cases calls were received first from firemen on "look-out" duty and followed by other means of calling the Fire Brigade.

In 17 cases calls were received by messengers only, and in two cases calls were received first by messengers and followed by other means of calling the Fire Brigade.

Street fire alarms were actually used to call the Fire Brigade on 315 occasions, either as the primary or subsequent means as above. This is about 59 per cent. of the total number of calls.

Arrangements are being made for all places of public amusement, etc., to be in direct telephonic communication with the Fire Brigade, and by this means it is hoped that in all cases of theatre-fires very early information will be received by the Fire Brigade.

My thanks are due to the Bengal Telephone Company for their efficiency in keeping the Fire Alarm system and telephones in good working order, and for their continuous interest in all matters appertaining to the Fire Brigade work.

Appendix XVI gives the position of street fire alarms in commission. There are now 125 in use.

**13. Inspection Department, Theatres and places of public amusements.**—Much work has been done in endeavouring to safeguard the public in places of public amusement, but I regret to state that owing to the inadequate penalty clause contained in the bye-laws, satisfactory progress has not resulted. However, this question is now before Government, and it is hoped to get the matter on a satisfactory basis before long.

In connection with the Licensed Warehouse and Fire Brigade Act (I of 1893), during the year under review 3,935 inspections have been made (exclusive of theatres and places of public amusement).

Three hundred and sixty-four applications for licenses and complaints have been received and disposed of.



One hundred and twenty-seven prosecutions were instituted under section 14 of Act I of 1893, which resulted in 115 persons being fined, two persons being warned, four cases being withdrawn or filed, and six cases pending, the accused persons being absent.

Two licenses were refused as the sites were not considered suitable and in conformity with the requirements from the Fire Brigade point of view.

14. **General.**—The year under review has been an exceedingly busy one, and owing to the shortage of men a very large amount of additional work has fallen upon the senior members of the Brigade. Great credit is due to these officers as by carrying out such extra work the Fire Brigade has been enabled to spare a large percentage of men for service on the various fronts.

Now that hostilities have ceased it is hoped that the full complement of European officers and firemen will soon be obtained.

On the occasion of the riots which commenced on the 9th September 1918 the Fire Brigade was continuously on duty for a very large number of hours—no less than 17 calls being received and dealt with during the above period.

As will be seen from Appendix IX, giving short reports of the most serious fires, the month of March was notable for a large number of serious jute and other fires. It is very unsatisfactory to note that in many of these cases there was great delay in calling the Fire Brigade, often the first information of a fire being obtained by a fireman on "look-out" duty who saw volumes of smoke rising into the air. In the case of jute fires it is impossible to do efficient work unless the Fire Brigade is called immediately as fires of such material spread with exceptional rapidity. It is satisfactory, however, to note that in every case of jute fires the fires have been confined to the godowns in which they originated.

15. **Jurisdiction.**—The Calcutta Fire Brigade protects the municipalities of Calcutta, Cossipur-Chitpur, Howrah, Maniktala and Garden Reach, and may attend fires outside the boundaries of these municipalities (but not exceeding a radius of six miles from the Central Fire Station), provided that appliances can be spared and on payment of a prescribed fee. Appendix XIX gives the Government order relating to this and the form which should be signed prior to the Fire Brigade leaving the jurisdiction of the above municipalities.

The actual area protected by the Calcutta Fire Brigade is just over 113 square miles, and the population included in the same is about  $1\frac{1}{2}$  millions.

16. **Map.**—For economical purposes the map usually inserted in this report, showing the situation of fire stations, fire alarms, etc., and where fires have occurred is omitted, but it is hoped to resume this next year.

17. **Ambulance Service.**—The motor ambulance service continues to do an immense amount of valuable work, no less than 8,792 calls having been received during the year under review as compared with 3,643 calls in the previous year. The number of miles travelled by motor ambulances during the year is 43,039 as compared with 18,849 $\frac{1}{2}$  during the previous year.

Since the inauguration of the ambulance service 14,804 calls have been received and the machines have travelled 75,489 miles.

On 5th September 1918 a Hupmobile motor ambulance was purchased and two drivers and four attendants employed. This machine deals exclusively with infectious cases and has already responded to 675 calls and travelled 4,247 miles. These figures are not included in the figures in the preceding paragraph, which refer only to accidents and cases of illness.

On the occasion of the riots on the 9th September 1918 the ambulance service was extremely busy and received no less than 176 calls during the period referred to. A considerable amount of work was also carried out on the occasion of the outbreak of cholera which took place on the occasion of the return of the pilgrims from the Saugor Mela.

Unfortunately the use of the motor is considerably abused. It was originally intended that motor ambulances should be available for all cases of accidents and serious illnesses necessitating urgent removal to hospital, but owing to the fact that the ambulance is now so frequently called for petty cases of illness, not really necessitating the use of ambulance, it is anticipated that an order will have to be issued prohibiting ambulances responding to calls for cases of illness unless they are requisitioned by a medical man, nurse or responsible person.

Owing to so many unnecessary calls it has been found that frequently all the motor ambulances have been engaged on such work and have therefore not been available for urgent cases, such as accidents, etc. If it is required to continue to respond to all calls for cases of illness as at present, the only alternative is to considerably increase the number of appliances and staff, the present machines being totally inadequate to cope with the work. There are now four motor ambulances in commission, one of which is now used for infectious cases only, and the staff comprises six drivers and 12 attendants.

The infectious ambulance has been much in demand and will shortly have to be augmented by another machine and crew, as, owing to the large number of calls for this machine, considerable delay often occurs in moving infectious cases of illness to hospital.

Appendix XXII gives the scale of charges for the use of the motor ambulances, and Appendix XXI gives the number of calls received every day and month throughout the year.

The Ambulance department is financially maintained by Government and the Corporation of Calcutta, the former paying one-third and the latter two-thirds of the cost of up-keep. Appendix XX gives a statement of receipts and expenditure incurred by the motor ambulance service.

*N.B.*—Some of the appendices referred to in the above report are not reprinted in the Gazette.



## APPENDIX I.

## Statement showing receipts and expenditure of the Fire Brigade for 1918-19.

The year opened with a balance of Rs. 96,516-8-1 and the receipts amounted to Rs. 2,59,620-12-6 and the total expenditure to Rs. 2,68,837-10-5, leaving a balance of Rs. 87,299-10-2 at the close of the year.

## RECEIPTS.

The receipts show an increase of Rs. 2,813-12-6 over the estimate. The credits on account of hire of engines, etc., in connection with calls outside the Brigade jurisdiction amounted to Rs. 2,648-12. The fees under the Petroleum Act and Fireworks show an increase of Rs. 825 and Rs. 30, respectively, over the estimate.

## EXPENDITURE.

Under head "Establishment" there was a decrease of Rs. 3,382-7-4 due to the non-debits of the Chief Officer's pay for nearly two months owing to his being on deputation to Mesopotamia and to the leaves and vacancies in the grades of the European firemen and khalsis.

The total expenditure under head "Contingencies" amounted to Rs. 1,54,127-12-6 against a budget grant of Rs. 2,25,987, showing a decrease of Rs. 71,859-2-6. The savings include Rs. 41,738 provided in the budget for the purchase of (i) a combined appliance including fire escape, first-aid cylinders and pumps, (ii) a motor fire-engine with Rees' Rotarbo pump and Rs. 30,000 for the construction of the headquarters station which remained unexpended at the close of the year.

Under head "Other charges" there was an increase of Rs. 272-4-3 due to the increased expenditure on water pressure.

## Abstract of Receipts and Disbursements of the Fire Brigade Fund for the year ending 31st March 1919.

RECEIPTS.	Budget estimate for 1918-19.	Actual receipts for 1918-19.	Increase.	Decrease.	PAYMENTS.	Budget estimate for 1918-19.	Actual charges for 1918-19.	Increase.	Decrease.
	Rs.	Rs. A. P.	R. A. P.	Rs.		Rs.	Rs. A. P.	Rs.	Rs. A. P.
Balance at the beginning of the year.	...	96,516 8 1	...	...	Establishment ...	1,05,685	1,02,302 8 8	...	3,382 7 4
Proportionate cost payable by—					Contingencies ...	2,25,987	1,54,127 12 6	...	71,859 2 6
Corporation of Calcutta.	1,65,150	1,65,150 0 0	...	...	Other charges ...	12,135	12,407 4 3	272 4 3	...
Cossipur-Chitpur Municipality.	40,652	40,652 0 0	...	...					
Howrah Municipality.	35,571	35,571 0 0	...	...					
Garden Reach Municipality.	7,622	7,622 5 0	...	...					
Maniktala Municipality.	5,082	5,082 0 0	...	...					
Total ...	2,54,077	2,54,077 0 0	...	...		3,43,807	2,68,837 10 5	272 4 3	70,241 9 10
Receipts under Fireworks	30	50 0 0	30 0 0	...					
Receipts under Petroleum Act.	1,530	2,355 0 0	825 0 0	...					
Total ...	1,530	2,385 0 0	855 0 0	...					
Proceeds of unserviceable stores.	500	193 11 0	...	306 5 0	Closing balance on 31st March 1919.	...	87,299 10 2		
Accellaneous ...	500	2,885 14 6	2,386 14 6	...					
Proceeds of horses	200	75 3 0	...	124 13 0					
Total ...	1,200	3,153 12 6	2,386 14 6	428 2 0					
GRAND TOTAL ...	2,56,807	3,53,137 4 7	3,241 14 6	428 2 0	GRAND TOTAL ...	...	3,56,137 4 7		

## Payment by Municipalities.

	Per cent.	Rs.
Corporation of Calcutta ...	65	1,65,150
Cossipur-Chitpur Municipality ...	16	40,652
Howrah ...	14	35,571
Garden Reach ...	3	7,622
Maniktala ...	2	5,082
Total ...		2,54,077

### APPENDIX II.

Summary showing means by which calls were transmitted to the Fire Brigade.

Month.	Total calls.	Street Fire Alarms.	Private Telephones.	Police Telephones.	Messengers.	Look-out men at Fire Brigade Stations.
April 1918 ...	78	34	34	5	3	2
May " ...	63	33	25	1	1	3
June " ...	34	14	20	...	...	...
July " ...	31	16	13	1	1	...
August " ...	30	15	14	...	1	...
September " ...	58	32	24	...	1	1
October " ...	53	24	22	3	2	2
November " ...	76	31	39	2	1	3
December " ...	107	47	51	3	3	3
January 1919 ...	77	38	31	1	1	6
February " ...	93	30	49	1	3	10
March " ...	125	47	65	2	2	9
Total ...	825	361	387	19	19	39

### APPENDIX III.

Statement showing the number of fires or supposed fires occurring in each district.

Month.	Calcutta.	Cossipur and Chitpur.	Howrah.	Manik-tala.	Garden Reach.	River, Docks and Canals.	Out of jurisdiction.	Total.
April 1918	44	4	5	1	2	1	2	59
May "	31	4	3	...	...	2	...	40
June "	16	...	2	...	...	...	1	19
July "	18	...	5	...	...	4	...	27
August "	19	1	4	1	...	1	...	26
September "	31	2	1	3	...	1	...	38
October "	27	5	3	2	1	...	...	38
November "	37	4	6	...	1	1	1	50
December "	38	2	7	4	1	2	...	54
January 1919	40	5	3	2	1	2	...	53
February "	47	5	5	2	...	1	...	60
March "	58	9	5	2	1	1	...	76
Total ...	406	41	49	17	7	16	4	540

### APPENDIX IV.

Statement showing the number of fires or supposed fires on every day and month throughout the year.

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
1918.																																	
April	...	3	...	2	2	2	1	4	2	8	4	5	3	2	1	1	2	1	3	...	1	...	...	1	...	2	3	4	...	1	1	...	1
May	...	4	1	2	1	2	3	2	1	...	1	1	...	1	2	2	1	...	1	...	3	1	...	1	...	1	2	1	1	...	1	4	...
June	...	...	1	...	1	...	4	...	...	1	...	...	1	1	1	1	...	1	1	1	...	...	...	...	1	...	2	1	...	1	2	...	
July	...	...	...	1	...	1	1	1	...	2	1	1	...	1	...	2	2	2	...	1	...	2	...	...	3	1	2	2	1	1	1	...	
August	...	1	...	...	1	1	1	1	...	1	1	1	...	1	...	3	2	2	...	1	1	...	...	1	...	1	1	...	3	1	2	...	
September	...	1	1	...	...	...	...	1	...	7	9	1	1	1	...	1	4	2	2	2	1	...	...	...	1	...	1	3	...	...	1	...	
October	...	...	...	1	2	...	1	1	3	...	1	1	1	2	1	2	2	2	2	1	2	1	...	1	2	1	3	...	2	...	2	3	...
November	...	1	1	2	2	2	...	2	2	2	2	1	2	1	1	4	...	...	2	2	...	2	2	2	4	3	4	...	2	1	...	...	
December	...	1	...	2	...	4	4	1	3	5	1	1	1	1	3	1	...	1	1	1	2	1	...	1	...	4	2	4	3	2	2	2	...
1919.																																	
January	...	2	3	5	...	4	5	2	...	1	1	1	2	1	1	2	1	3	2	1	2	...	1	3	...	...	4	2	1	3	2	...	
February	...	2	5	2	3	5	2	1	3	2	3	2	6	2	3	3	...	2	1	1	1	2	1	1	2	1	1	2	1	...	...	...	
March	...	2	...	...	2	2	5	2	2	2	4	2	2	1	1	4	3	3	1	1	4	8	2	3	2	3	7	1	4	2	2	3	...
Total	...	18	12	16	13	25	25	16	14	32	28	17	19	14	15	22	21	17	14	13	16	12	7	14	14	19	27	25	14	11	21	10	5



## APPENDIX VI.

Statement showing the damage caused by fire, etc., in the various districts

Month.	Total.	Calcutta.	Cossipur and Chitpur.	Howrah.	Garden Reach.	Maniktala.	Docks, Rivers and Canals.	Not included in the foregoing district but within a radius of 6 miles of the Fire Brigade headquarters.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
April 1918	1,32,138	16,353	95,005	780	20,000	...	...	...
May	2,02,828	2,793	200,000	20	...	...	15	...
June	2,20,302	20,297	...	5	...	...	...	2,00,000
July	7,912	1,807	...	5,010	...	...	1,095	...
August	9,616	5,756	...	1,810	...	50	2,000	...
September	31,175	30,665	...	10	...	500	...	...
October	62,694	8,721	53,20	250	...	103	...	...
November	5,576	2,531	350	560	100	...	35	2,000
December	32,218	21,791	10	135	100	152	10,030	...
January 1919	2,04,894	1,02,699	1,00,515	160	300	120	1,100	...
February	14,068	10,868	20	1,170	...	2,010	...	...
March	6,26,853	46,067	5,76,056	3,520	50	160	1,000	...
Total	15,50,274	2,70,348	10,25,576	13,430	20,550	3,095	15,275	2,02,000

## APPENDIX VIII.

Summary showing the means by which fires were extinguished.

Month.	Occupiers, neighbours, police, etc., individual firemen not necessitating the use of Fire Brigade appliances.	One or more jets from street hydrants.	Chemical machines or fire-aid cylinders.	Sand, etc.	One motor pump.	Two motor pumps.	Three motor pumps.	One steam fire engine.	One motor pump, and one steam fire engine.	Two motor pumps and one steam fire engine.	Two motor pumps and hydrants.	One motor pump and hydrant.	One motor pump, fire float and ship's appliances.	Three motor pumps and one steam fire engine.	Three motor pumps, one valiant and hydrants.	Private appliances.	Sprinklers and one or more jets from hydrants.	Two motor pumps, one steam fire engine, fire float and mill appliances.	Three motor pumps, two steam fire engines and fire float.	Three motor pumps, fire float and hydrants.	Three motor pumps, one valiant, three steam fire engines and fire float.	Three motor pumps, two steam fire engines, two valiants and fire float.	Manual fire engine.	Two motor pumps and mill appliances.	Fire float and ship's appliances.	Electric outrest cut off and gas turned off.	Robbath burning.	Special service.	False alarm (willful).	False alarm (accidental or with good intent).	Total.
1918.																															
April	24	0	2	3	3	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	59
May	14	0	4	...	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	40
June	1	2	4	2	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	19
July	0	2	1	1	2	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	27
August	7	1	2	2	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26
September	2	4	4	2	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33
October	10	1	1	1	7	3	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	38
November	24	2	3	5	0	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	50
December	24	0	1	1	7	...	...	1	...	1	3	...	1	1	1	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	54
1919.																															
January	23	3	1	1	3	2	1	1	1	...	...	1	...	...	...	...	...	...	1	1	...	...	...	1	1	...	1	7	4	...	53
February	28	3	...	4	8	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	9	1	...	60
March	32	7	2	3	9	3	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	1	...	1	...	1	1	3	5	...	76
Total	202	40	28	25	52	10	1	2	4	2	2	7	1	2	1	2	2	3	1	2	1	1	2	1	4	4	3	12	83	36	540

## APPENDIX IX.

Short reports of fires of Rs. 1,000 damage and upwards.

Date.	Time of call.	Address.	Trade.	Extinguished by—	REMARKS.
1918.					
3rd April	11-18 A.M.	Bengal Hydraulic Jute Press.	Jute Warehouse.	Three Motor Fire Engines.	A brick built double-storied warehouse utilised for storing and assorting jute. Building damaged by fire. Contents comprising pucca bales of jute severely damaged by fire and water.
4th "	9-50 A.M.	Calcutta Hydraulic Jute Press.	Ditto	Sprinklers	A large two-storied brick built warehouse containing baled and loose jute. Building slightly damaged and contents severely damaged by fire and water.
9th "	3-39 A.M.	38-39-45, Gora-chand Road.	Dwelling house	Two Motor Fire Engines.	A number of large <i>golpatta</i> huts 28 carts of straw and some personal property severely damaged by fire and water.
10th "	2-1 P.M.	Bengalee Bazar	Ditto, etc.	Two Motor Fire Engines and one Steam Fire Engine.	A large number of <i>golpatta</i> huts used as dwelling houses and workshops, three carriages and personal property severely damaged by fire and water.
11th "	4-12 P.M.	Bengal Cotton Mill.	Cotton Warehouse.	Two Motor Fire Engines and private appliances.	Quantity of cotton in bags and loose cotton waste in a corrugated iron shed.
12th "	10-36 P.M.	Belliaghatta Jute Mill.	Jute Mill	Ditto	A quantity of loose jute, boblines and bails of twine in the preparing department. Building not damaged.
16th "	8-41 P.M.	Empire Theatre	Theatre	One Motor Fire Engine.	About 125,000 feet of bioscope films, quantity of carbons, switches, etc., severely damaged by fire and water. Building slightly damaged.
14th May	10-31 A.M.	Chitpur Hydraulic Jute Press.	Jute Press	Three Motor Fire Engines.	A brick built two-storied warehouse about 230' x 80' with wooden floors divided into several compartments used for assorting and storing loose baled jute. Contents of upper floor consisting of about 25,000 of loose jute and on the ground floor about 4,100 pucca bales of jute. Building severely damaged. Considerable portion of roof and walls collapsed and contents were severely damaged by fire and water. The first information the Fire Brigade received of the fire was from a man on look-out duty at a district station and considerable difficulty was experienced in obtaining sufficient water.
15th "	2-15 A.M.	143, Dharamtolla Street.	Shop and dwelling house.	One Motor Fire Engine.	A two-storied brick built building comprising general shop on ground floor and dwelling rooms above. Fire confined to ground floor. Building slightly damaged and contents consisting of typewriters, gramophone, etc., slightly damaged by fire and water.
16th "	7-15 A.M.	S2, Serpentine Lane.	Shop.	Hydrants	Contents of ground floor of two-storied brick built building consisting of cinematograph films, gramophones, furniture, etc., severely damaged by fire and water.
5th June	2-30 A.M.	37, Strand Road	Warehouse	One Motor Fire Engine and street hydrants.	A two-storied wooden and galvanised iron warehouse containing rice, grain, oilseed and oil, etc., Building severely damaged by fire and water. A galvanised iron warehouse, about 75' x 50', containing tobacco, slightly damaged by fire and water. Difficulty with water supply owing to obstructions in mains.



Date.	Time of call.	Address.	Trade.	Extinguished by—	REMARKS.
1918. 9th May	10-15 A.M.	Barnagore North Mill.	Jute Mill	Two Motor Fire Engines, 1 Steam Fire Engine, Fire Float and private appliances.	A brick built godown about 250' x 150', containing a large quantity of pucca bales of jute and gunnies. Contents severely damaged by fire and water. Building, roof and walls partly collapsed. Adjoining warehouse divided into wall badly cracked and contents slightly damaged.
5th July	11-10 A.M.	SS. "Umkusi"	Ship	Fire Float and ship's hose.	Quantity of coal in bunkers.
17th "	4-43 P.M.	Sibpur Oil Mill	Oil Mill	One Motor Fire Engine and one Steam Fire Engine	A corrugated iron shed about 200' x 25' containing oil distilling plant and about 400 mounds of linseed oil. Building and contents severely damaged by fire and water.
24th "	5-50 P.M.	Central Hydraulic Jute Press.	Jute Press	Sprinklers	A quantity of loose jute and pucca bales damaged by fire and water.
7th August	2-15 A.M.	29, Benares Road, Howrah.	Oil Mill	One Steam Fire Engine.	A quantity of linseed oil and fitting of oil refinery in corrugated iron shed. Buildings and contents severely damaged by fire and water.
19th "	5-55 A.M.	SS. "Querimba"	Ship	Ship's appliances and first aid machines.	A quantity of mustard oil in tins in No. 4 hatch damaged by fire and water. Ship not damaged. Cause probably spontaneous combustion of gunny bags and saw dust use for dunnage and had been in contact with the oil.
28th "	12-4 A.M.	159, Lindsay Mansions.	Cinematograph film store.	Hydrants	A quantity of bioscope films on the ground floor of a four-storied brick built building. Building not damaged.
9th September	5 P.M.	171, Harrison Road.	Chemists' shop	Ditto	Contents of chemist's shop considerably damaged by fire and water. Building not damaged. Cause believed to be incendiarism by rioters.
9th "	6-30 P.M.	4-1, Armenian Street.	General Warehouse.	One Motor Fire Engine.	A quantity of cloth, blankets, carpets, etc. on the ground floor of a three-storied pucca building considerably damaged by fire and water. Building not damaged. Cause believed to be incendiarism by rioters.
9th "	7-50 P.M.	101, Armenian Street.	Rice Grain Warehouse.	Hydrants	A quantity of grain on the ground floor of a two-storied pucca building. Building slightly damaged and contents considerably damaged by fire and water. Cause believed to be incendiarism by rioters.
10th "	1-2 P.M.	36-5, Machuabazar Street.	Grain Warehouse.	Do	A quantity of grain and dynamo on the ground floor of a brick built building. Cause believed to be incendiarism by rioters.
17th October	8-5 P.M.	18, Convent Road	Chemical Factory.	Two Motor, Fire Engines.	A large hut used for the manufacture of chemicals, containing a large quantity of saltpetre and various chemicals damaged by fire and water. Considerable difficulty was experienced owing to the inadequate supply of water from mains.
23rd "	8-7 P.M.	Shellac Factory, Chitpur.	Shellac Factory.	Two Motor Fire Engines, one Steam Fire Engine and private fire appliances.	A galvanised iron building about 107' x 70' divided by brick building walls rear portion of the upper floor, the whole containing stick lac and a small quantity of shellac severely damaged by fire and water. A brick built two-storied building connected to the above by wooden gangways containing machinery for cleaning shellac, etc., slightly damaged by fire and water. A brick-built office connected to the above slightly damaged by fire and water. The first information received by the Fire Brigade was from a man on look-out duty at a District Fire Station. Nearest available water-supply over 200 yards from fire.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPT. 10, 1919. 1045

Date.	Time of call.	Address.	Trade.	Extinguished by—	REMARKS.
1918.					
25th October ...	7-19 P.M.	5, Umakanto Sen Lane, Chitpur.	Chemical Warehouse.	Private fire appliances.	A quantity of cotton and a dynamo in a single-storied pucca building used for repairing antiseptic pressings damaged by fire and water.
26th November	9-36 P.M.	Garia Road ...	Shops ...	One Motor Fire Engine.	A large <i>golputta</i> thatched hut divided into two shops, containing spices, tar and pitch, severely damaged by fire and water.
27th "	2-29 A.M.	18, Ultadanga Road.	Rope Manufactory.	Three Motor Fire Engines and one Steam Fire Engine.	A galvanised iron shed about 508' x 30' containing coir and grass rope. Building and contents severely damaged by fire and water. Considerable difficulty owing to the inadequate water-supply in mains.
3rd December	12-26 P.M.	143-3, Sova Bazar Street.	Jute Warehouse.	Three Motor fire Engines and Fire Float. Hydrants.	A two-storied brick built building divided into about six compartments used for storing jute. Fire confined to room of origination. Building slightly damaged and contents severely damaged by fire and water.
6th "	6-45 P.M.	18, Belliaghatta Road.	Carpenter and joiner shop.	One Motor fire Engine and one Steam Fire Engine.	A carpenter and joiner shop consisting of a two-storied corrugated iron building about 30' x 30' containing rattan cane, cotton, coir, etc., severely damaged by fire and water; building slightly damaged by fire.
9th "	10-30 A.M.	107, Wellesley Street.	Shops ...	One Motor Fire Engine and Hydrants.	A coach builder's shop constructed of tiled roof, darma mat walls, about 40' x 150' severely damaged by fire. Contents comprising various materials severely damaged by fire and water. Three grain shops constructed of tiled roof and darma mat walls. Building and contents consisting of grain damaged by fire and water. Six dwelling huts and one tea-shop slightly damaged by fire and water. Difficulty was experienced with the water-supply owing to hydrants being out of order.
23rd "	11-19 A.M.	133, Belliaghatta Road.	Dwelling huts	Three Motor Fire Engines one Steam Fire Engine and Hydrants.	A quantity of huts divided into shops and dwellings covering an area of about 230' x 200' severely damaged by fire and water. Very late call for Fire Brigade and considerable difficulty in checking fire owing to inadequate water supply.
25th "	1-44 A.M. ...	S.S. "Chosen Maru."	Ship ...	Two Motor Fire Engines one Steam Fire Engine, Fire Float and mains.	About 2,000 bales of jute stored in Nos. 3 and 4 holds severely damaged by fire and water. Ship slightly damaged.
31st "	6-41 P.M. ...	Shapur Bustee ...	Shops, stores, etc.	One Motor Fire Engine.	About six large <i>golputta</i> huts and quantity of store, chaff cutters severely damaged by fire and water. No water could be obtained from the mains, therefore the Fire Engine had to be worked from a pond at a considerable distance from the fire.
1919.					
2nd January ...	4-43 A.M. ...	Theatre Royal ...	Theatre ...	Three Motor Fire Engines and hydrants.	The building constructed partially of timber and corrugated iron roof—brick work up to first floor, brick proscenium wall and brick walls for stage completely galled. Grand Hotel adjoining two sides slightly damaged by fire and water. Three-storied brick built building used as warehouse for ammunition, etc., on ground floor and two upper floors used as residential quarters slightly damaged by fire and water and verandahs burnt away. The fire was practically confined to the building in which it originated. The first information the Fire Brigade received of the fire was from the look-out man on duty at Fire Brigade headquarters who saw flames coming through the roof. A fire alarm is situated within 50 yards of the fire, but was not operated until some minutes after the alarm had been given by the look-out man.



## 1046 SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPT. 10, 1919.

Date.	Time of call.	Address.	Trade.	Extinguished by—	REMARKS.
1919.					
9th January	3-58 A.M.	224, Cornwallis Street.	Stable and store room.	Two Motor Fire Engines.	Stabling and store room in the ground floor of pucca building severely damaged by fire and water. Two cows, one calf and one horse suffocated.
15th "	8-10 P.M.	Strand Bank Jute Press.	Jute Press ...	Three Motor Fire Engines, two Steam Fire Engines, and one Valliant Fire Float.	A single-storied brick built warehouse about 400'x800' divided into two compartments and containing bales of jute and hemp. Building severely damaged, walls including dividing walls, partially collapsed and roof partially collapsed. Contents severely damaged by fire and water. First call of the fire was received from the look-out man at the District Fire Station. Water supply was very inadequate and tank in the compound was emptied by a Motor Fire Engine.
18th "	7-42 P.M.	Cargo boat on river Hooghly.	Boat ...	Fire Float ...	A country boat laden with jute on river Hooghly near Ramkristopur Ghat damaged by fire.
4th February	4-38 A.M.	7, Nawab Abdul Latif Lane.	Shops and dwelling rooms.	One Motor Fire Engine.	A large single-storied kutchia erection of timber and durma matting divided into four shops and 16 dwelling rooms severely damaged by fire and water. A late call was received by the Fire Brigade.
5th "	6-34 A.M.	29, Sura 1st Lane, Manik-tala.	Drying shop ...	Ditto ...	A brick-built drying room with timber and stone roof damaged by fire and water. Contents consisting of wooden fittings and blue stones severely damaged by fire and water.
9th "	5-36 P.M.	154, Dharamtolla Street.	Garage ...	Ditto ...	A single-storied brick built shop containing motor accessories, comprising petrol, oil, tyres, vulcanising machine, etc. Building slightly damaged by fire and contents severely damaged by fire and water.

## APPENDIX XII.

Statement showing the number of times each station has been turned out  
in response to fire calls.

STATION.		1918.										1919.			Total.
		April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	
Headquarters	...	47	37	15	26	24	36	37	48	54	51	52	75	502	
Entally	...	13	8	7	6	8	18	15	16	24	18	25	29	187	
Chitpore	...	8	6	2	2	1	2	6	7	3	7	8	13	65	
Howrah	...	5	3	2	5	3	1	3	6	7	4	5	6	50	
Watgunge	...	2	2	...	...	...	...	1	...	...	...	1	1	7	
Garden Reach	...	2	1	...	...	...	...	1	1	3	2	1	1	12	
Sibpur	...	...	1	1	1	...	1	...	2	4	...	...	2	12	
Palmer's Bridge	...	4	1	...	...	...	1	...	2	7	1	3	3	22	
Fire Float	...	...	1	1	3	...	...	...	...	...	1	...	3	9	
Port Commissioners' Fire Engine.	...	...	...	2	..	...	...	...	2	...	...	...	...	4	
Total	...	81	60	28	45	36	59	63	82	104	84	95	133	870	

## APPENDIX XIII.

Disposition of the Staff of the Calcutta Fire Brigade during the year  
1918-19.

STATION.	Chief Officer.	Chief Engineer.	Inspector of Warehouses.	Station officers.	Engineers.	European driver.	European fireman.	Tindals (1st class).	Tindals (2nd class).	Tindals (3rd class).	Khallas (1st class).	Khallas (2nd class).	Khallas under instruction.	Indian drivers.	Syces.	Bhisties.	Mohars.	Moochi.	Mechanics.	Telephone operators.	Store-keepers.	Clerks.	Prod.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Headquarters ...	1	1	2	6	1	7	3	1	2	10	13	13	...	5	1	1	1	3	3	1	3	1	1	79
Entally Fire Station ...	...	...	1	1	...	...	...	1	3	3	20	5	2	5	1	1	...	...	...	...	...	...	...	43
Howrah ditto ...	...	...	1	1	...	...	...	1	...	2	16	1	1	3	...	1	...	...	...	...	...	...	...	27
Chitpore ditto ...	1	...	...	...	...	...	1	1	...	7	12	1	1	3	...	1	...	...	...	...	...	...	...	26
Garden Reach Fire Station ...	...	...	...	...	...	...	...	1	...	1	9	...	...	...	...	...	...	...	...	...	...	...	...	11
Watgunge ditto ...	...	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	...	...	...	...	...	...	...	11
Palmer's Bridge ditto ...	...	...	...	...	...	...	...	...	1	...	10	...	...	...	...	...	...	...	...	...	...	...	...	11
Sibpur ditto ...	...	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	...	...	...	...	...	...	...	14
Total ...	1	1	1	4	8	1	7	4	5	6	25	100	20	4	16	2	4	1	3	3	1	3	1	221



## APPENDIX XIV.

## Short reports of fires involving loss of life or serious accidents.

Date.	Address.	Called at —.	Lives lost.	Persons injured.	Nature of premises.	REMARKS.
1918.						
1st April ...	27-1, Simla Street	2-25 A.M. ...	1	...	Dwelling house	A Bengalee woman named Promila Bala Devi saturated her clothing with kerosine oil and ignited it. She was found dead on arrival of the Fire Brigade.
5th " ...	125, Narkeldanga Main Road.	3-9 P.M. ...	...	1	Ditto ...	A Bengalee woman, Kiran Bala, saturated her clothing with kerosine oil and ignited it. On arrival of the Fire Brigade she was found to be severely injured. First-aid was rendered and the woman left under the charge of a doctor.
10th " ...	Chitpur Road ...	4-10 P.M. ...	...	1	Public street ...	Constable 258, Shew Baran Tewary, of the Calcutta Police Reserve Force burnt on the arm and head. His clothing was ignited by somebody throwing lighted matches. First-aid was rendered.
11th " ...	66, Alipur Road	1-11 A.M. ...	1	1	Dwelling house	A man named Motichand Das was badly burnt on the body and a woman named Charu Bala Dasi was severely burnt. First-aid was rendered and injured persons conveyed to hospital. The woman died same day.
2nd May ...	35-4, Durponarain Tagore Street.	1-44 P.M. ...	1	...	Ditto ...	A Bengalee woman named Uma-sashi Dasi, aged about 22 years, was cooking food. Her clothing became ignited and she was found dead on arrival of the Fire Brigade.
5th June ...	14, Lukhi Dutt Lane.	12-10 A.M.	1	..	Ditto ...	A Bengalee woman, Kamala Dasi, aged 22 years, saturated her clothing with kerosine oil and ignited it. She was found dead on arrival of the Fire Brigade.
13th " ...	9-1, Waterloo Street.	12-40 P.M.	...	1	Workshop ...	An Indian named Basant Jeswar was very severely burnt. First-aid was rendered and the injured man conveyed to hospital.
14th " ...	10, Blackburn Lane.	12-24 P.M.	...	1	Shop ...	Owing to the collapse of a three storied brick built building a Chinaman was buried under the debris. He was extricated after about 2 hours' work and was not seriously injured.
18th " ...	101, Clive Street	2-43 A.M.	...	1	Warehouse ...	Owing to the collapse of a brick built warehouse an Indian was buried. He was extricated after about an hour's work and was not seriously injured.
17th July ...	Sibpur Oil Mill	4-43 P.M.	...	1	Oil Mill ...	The European Manager of the Oil Mill was burnt on the hands and arms in endeavouring to extinguish the fire. First-aid was rendered by the Fire Brigade.
28th August	26, Mussalmanpara Lane.	9-15 A.M.	1	...	Dwelling house	An Indian woman named Durga Rancee, aged about 20 years, saturated her clothing with kerosine oil and ignited it. She was found dead on arrival of the Fire Brigade.
6th December	17-4, Canal West Road.	5-16 P.M.	1	...	Ditto ...	A Mahomedan boy named Shaik Mithu, aged about 7 years, was very badly burnt. First aid was rendered by the Fire Brigade and the injured boy conveyed to hospital, where he died.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPT. 10, 1919. 1049

Date.	Address.	Called at—	Lives lost.	Persons injured.	Nature of premises.	REMARKS.
1918.						
10th December	55, Corporation Street.	12-44 A.M.	...	1	Dwelling house	A Bengalee named Upendra Nath Ghose burnt on the arms and head and legs. First aid was rendered by the Fire Brigade and the injured person conveyed to hospital.
23rd "	133, Belliaghata Road.	11-19 A.M.	1	...	Ditto	An Indian woman named Barie Rancee was severely burnt about the body. Injured person was conveyed to hospital where she subsequently died.
1919.						
2nd January	Theatre Royal ...	4-43 A.M.	...	4	Theatre	At the fire which occurred at the Theatre Royal, the Grand Hotel adjoining was slightly damaged and four persons were burnt whilst escaping along a verandah leading from the Hotel Annexe.
28th "	37, Gurpar Road	1-57 P.M.	1	...	Dwelling house	A Bengalee woman named Santa Devi saturated her clothing with kerosine oil and ignited it. She was found dead on arrival of the Fire Brigade.
4th February	7, Nawab Abdul Latif Lane.	4-38 A.M.	1	...	Ditto	A Mohamedan woman aged about 40 years, was severely burnt and found dead on arrival of the Fire Brigade.
27th "	1, Duff Street ...	5-21 P.M.	1	...	Ditto	A Bengalee named N. N. Saha, aged about 20 years, set fire to his clothing. He was found dead on arrival of the Fire Brigade.
9th March ...	Canal Press, Chitpur.	1-19 P.M.	...	1	Jute Press	Whilst working on the roof of a jute godown fire Engineer Tucker of the Calcutta Fire Brigade fell through an opening. He fell about 22 feet, and received serious injuries to his right arm.
28th " ...	Convent Road	9-52 P.M.	...	1	Motor car	The driver of a motor car was burnt on the hands and legs in attempting to put out a fire. First-aid was rendered by the Fire Brigade.



## APPENDIX XV.

## Statement of causes of fires and buildings, etc., involved.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
		Cooking stores and other draw left unprotected and unprotected.	Smoking.	Oil lamp, etc., exploding and overheating.	Electric wires fusing.	Naked lights in contact.	Spontaneous ignition.	Fire-works.	Sparks from furnaces and stoves, locomotives.	Matches thrown down.	Tar, glue, etc., boiling over.	Children playing with matches.	Petrol vapour in contact with lights.	Gas escaping.	Acid, phosphorus, etc., spilled.	Machinery overheating.	Supposed incendiarism.	Incendiarism by rioters.	Burning rubbish.	Suicide by burning.	Incendiarism.	Short circuit.	Explosion of chemicals.	Grinding gunpowder.	Lighting.	Time overheating.	Hot ashes thrown.	Special service.	Cause not definitely ascertained.	False alarms (wifid).	False alarms (with good intent or accidental).	Total.
Dwellings	...	31	15	7	6	18	...	6	38	2	2	10	...	...	...	...	2	...	...	...	1	6	...	...	...	1	...	1	...	...	...	176
Shops, offices, garages, etc.	...	4	7	7	3	9	...	...	3	...	4	...	...	...	...	...	1	6	...	...	...	1	...	...	...	...	...	...	...	...	...	71
General warehouses and manufactories	...	...	3	2	2	...	4	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32
Jute mills, warehouses and presses	...	...	1	...	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
Straw, coal, etc., stacks of	...	...	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21
Ships, etc.	...	...	1	1	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Workshops	...	1	1	2	...	1	...	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
Out-buildings	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Motor-cars, cycles, etc.	...	...	...	1	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
Jute, straw, etc., in transit	...	2	3	2	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
Theatres, churches, schools, etc.	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Rubbish burning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Miscellaneous	...	1	5	1	...	5	...	...	1	1	2	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	21
Special service	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
Sugar, etc., godown	...	1	1	1	...	1	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Gas or electric mains	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
False alarms (wifid)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
False alarms (accidental or with good intent).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36
Total	...	41	54	25	16	38	12	7	55	6	13	11	6	4	4	4	5	7	9	6	1	10	1	2	2	1	1	6	76	83	36	540

## APPENDIX XXII.

### Corporation of Calcutta.

#### Motor Ambulance Service.

##### Rules.

1. The use of the motor ambulances is allowed free of charge in Calcutta and its immediate surroundings in the following cases :—

- (i) In all accident cases, and in all labour cases where the parties are poor.
- (ii) In the case of patients suffering from non-infectious diseases who are intended to be treated in hospitals in general indoor wards without payment.
- (iii) In the case of patients suffering from non-infectious diseases who may belong to His Majesty's naval or land forces.
- (iv) In the case of members of the Indian Defence Force whose injuries or sickness may have been caused in the discharge of their military duties.

2. Fees will be charged for the use of the motor ambulances in the following cases at the rates noted against each—

A. In the case of Calcutta residents :—

(i) Where a paying patient is conveyed from his home to a hospital or *vice versa*—

	Rs.
(a) For patients treated in the three Nursing Homes, <i>viz.</i> , the Bengal Nursing Home in Bow Bazar and the two Nursing Homes in Middleton Row and Wood Street, or in the Woodburn Block of the Presidency General Hospital, Turret rooms of the Eden Hospital, larger five-rupee cabins or purdah cottages of the Dufferin Hospital, or in any other hospital or place of treatment on payment of a daily charge of Rs. 5 and above ... ..	5
(b) For patients treated in other paying wards of hospitals or other places of treatment on payment of a daily fee of less than Rs. 5 ...	2
(ii) In other than hospital cases, <i>i.e.</i> , where the ambulance is engaged to convey a patient to a railway station, steamer or elsewhere (but not to a hospital) and <i>vice versa</i> , the fee will ordinarily be ... ..	5
(but the Chief Officer, Fire Brigade, has the discretion to reduce it, if he thinks proper).	

B. In the case of patients (suffering from non-infectious diseases) outside Calcutta :—  
Same rates as in A above, *plus* 8 annas per mile for the distance covered by the ambulance outside the municipal limits both ways.

3. In all cases in which fees are payable, the amount due must be prepaid. The drivers are supplied with a book of vouchers and will give a printed receipt in return for the proper fee.

4. In all accident cases in Calcutta or its surroundings, motor ambulances will turn out on the requisition of any person if there are reasonable grounds to consider the call a *bonâ fide* one.

Requisitions (which may be verbal or written) for ambulance for conveying patients should be made by a doctor or nurse or other responsible person.

5. The Chief Officer, Fire Brigade, has the option of refusing to send the ambulances (a) outside the municipal limits, (b) in cases within the municipal limits in which he has reason to doubt the *bonâ fides* of the parties (if other than doctors or nurses) requisitioning.



No. S.2321, dated Calcutta, the 14th August 1919.

From—The Hon'ble MR. J. DONALD, L.C.S., C.I.E., Chairman of the Corporation of Calcutta,

To—The Secretary to the Government of Bengal, Municipal Dept.

I HAVE the honour to submit the following report, under section 41 of Act I (B.C.) of 1893, for the year 1918-19.

During the year under report, the fees under sections 10 and 24 were levied at 10 per cent. on the annual valuation of warehouses, as in the preceding year.

A statement showing the receipts and disbursements of the Licensed Warehouse Fund and a list of jute and other licensed warehouses for the year 1918-19 in a consecutive form are appended.

### Licensed Warehouse (Fire Brigade) Fund.

#### Statement of Receipts and Disbursements during the year 1918-19.

##### Receipts.

Particulars.	DEMAND.			COLLECTIONS.			REMISSIONS.			BALANCE.		
	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.
		Rs. A.	Rs. A.		Rs. A.	Rs. A.		Rs. A.	Rs. A.			
(a) Licence fees levied under sections 10 and 24.	Nil	94,910 8	94,910 8	Nil	93,704	93,704	Nil	1,206 8	1,206 8	Nil	Nil	Nil
(b) Supplementary demand for 1917-18 created after 31st March 1918.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(c) Mutation fee levied under section 11.	...	...	...	...	...	100	...	...	...	...	...	...
(d) Rates levied under section 25 (1) (a).	...	...	...	...	...	...	...	...	...	...	...	...
(e) Rates levied under section 25 (1) (b).	...	...	...	...	...	...	...	...	...	...	...	...
(f) Rates levied under section 25 (1) (c).	...	...	...	...	...	...	...	...	...	...	...	...
(g) Fines and Penalties under the Act.	...	...	...	...	...	1,102	...	...	...	...	...	...
(h) Contribution from Government towards the cost of establishment.	...	...	...	...	...	3,000	...	...	...	...	...	...
(i) Contribution from the General Fund.	...	...	...	...	...	82,575	...	...	...	...	...	...
Total	...	...	...	...	...	1,80,481	...	...	...	...	...	...

	Rs. A.
Total Rupees	1,80,481 0
Less—Refund	1,167 0
Net Receipts	1,79,314 0
Add—Opening balance	45,271 8
Total	2,24,585 8

##### Disbursements.

	Rs. A.
(1) Establishment	3,000 0
(2) Contribution to Fire Brigade	1,65,150 0
(3) Any other special item as specified	.....
Total	1,68,150 0
Closing balance on 31st March 1919	56,435 8

**List of Jute Warehouses, 1918-19.**

Name of Street.	Street or holding number with the number of warehouses shewn in brackets, when more than one.
<b>Ward No. 1.</b>	
Baghbazar Street	... 1.
Canal West Road	... 39-2, 3, 4, 12 & 41-A.
Dhaniabagan Road	... 7-2.
Chitpore Road, Upper	... 178, 202, 204, 206.
Chitpore Bridge Approach	... 1.
Ram Krishna Lane	... 9, 11, 13, 15, 17, 19, 21.
Durga Ch. Mukherji Street	... 1 & 1-1, 5, 6-6/6, 7, 14, 32, 33, 41, 42, 43, 45.
Gopal Ch. Neogy Lane	... 1, 4, 20.
Galiff Street	... 10-1, 22, 25-1, 26.
Shambazar Bridge Road	... 5.
<b>Ward No. 2.</b>	
Ahiritolla Street	... 1, 3, 4, 4/1-3, 5, 6, s, 10-3, 169, 170, 172.
Bonomali Sircar Street	... 10.
Ramdhona Khan Lane	... 5.
Biprodas Dey Lane	... 1.
Upper Chitpore Road	... 243, 244.
Duttapara Lane	... 11, 12, 14 & 15.
Darmahatta Street	... 75, 76-2, 77, 77-1, 77-5, 80, 80-1, 81, 82, 85-1, 86, 87, 88, 92, 93, 99, 100, 108, 121, 124, 125, 133, 134, 135, 136 to 136-8, 138, 139, 140, 140/1-5, 140/8-12, 140-14, 141, 142, 143/2-5.
Darmahatta 1st Lane	... 1, 2, 4, 5, 6.
Galiff Street	... 1-1.
Hara Ch. Mullick Lane	... 1, 16, 23, 24.
Mahammed Romzan Lane	... 14.
Madanmohan Dutt Lane	... 3.
Hara Ch. Mullick Street	... 2, 4, 5, 6, 7, 7-1, 9, 10, 11, 12, 13, 13-4, 13-6, 16, 19, 20, 22, 23, 24-1, 25, 27, 28.
Manick Bose Ghat Street	... 1, 1-1, 3, 17-1, 20-1, 33, 36, 36/1-7, 36-9, 40, 43, 44, 44-1, 46, 47, 48, 49, 50.
Nimtolla Ghat Street	... 43, 62, 64, 68.
Nimtalla Ghat Lane	... 15.
Nayan Sur Lane	... 1-A, 1-1, 1-2, 7, 8, 9.
Natherbagan Street	... 11, 11-1, 23, 25-1.
Sovabazar Street	... 1, 2, 5, 6, 7-A, 8, 9, 10, 11, 12, 15, 16, 19, 20, 22, 29, 32, 36, 38, 41, 43, 46A, 48, 50-A, 54, 64.
Strand Road	... 66, 66-7, 67-H-5 & 6.
<b>Ward No. 3.</b>	
Budridas Temple Street	... 1, 2, 4, 19, 24.
Canal West Road	... 23, 24-1, 24-2, 25-3, 26-H-1, 29-1, 35, 35-5.
Gouribere Lane	... 51, 55, 58.
Halsibagan Road	... 4.
<b>Ward No. 5.</b>	
Strand Road	... 67-27(2).
Juggarnath Ghat Inland Warehouse.	
<b>Ward No. 9.</b>	
Beliaghata Road	... 135.
Canal West Road	... 4.
Circular Road, Upper	... 308.
<b>Ward No. 19.</b>	
Convent Lane	... 12.
<b>Ward No. 25.</b>	
Garden Reach Road	... 9.



**List of Warehouses other than Jute, 1918-19.**

Name of Street.	Street or holding number with the number of warehouses shewn in brackets when more than one.
<b>Ward No. 1.</b>	
Bosepara Lane	... 49-1.
Baghbazar Street	... 74, 76-1.
Circular Road, Upper	... 228-2-H, 192.
Canal West Road	... 37-1, 39(2), 42, 43(9).
Chitpore Road, Upper	... 161-H-18, 176-H-9, 199-1, 199-1-1(3), 199-1-2(3), 199-6, 199-1-7.
Raja Naba Kissen Street	... 79(2).
Cornwallis Street	... 81(2), 82-2, 124(2), 138(3), 137.
Galiff Street	... 18(2), 20(2), 21-H-1(2), 22-H-3, 22(2).
Kaliprosad Chakraborty Street	... 12-2.
Rusick Mitra Lane	... 11.
Ultadingi Road	... 19, 21.
<b>Ward No. 2.</b>	
Ahiritolla Street	... 104, 122, 153.
Ahiritolla 1st Lane	... 7.
Bonomali Sircar Street	... 1-H-15.
Baneatolla Street	... 16, 19.
Chitpore Road, Upper	... 220, 232, 234, 262, 316-317.
Duttapara Lane	... 5.
Darmahatta Street	... 71(6), 72(9), 73, 180(4).
Kasi Mitter Ghat Street	... 32, 33, 41.
Md Romjan Lane	... 5, 6, 11(14), 17.
Madan Mohan Dutt Lane	... 5, 6.
Natherbagan Street	... 13-2.
Nimtolla Ghat Street	... 71-1, 80, 84, 85(12), 86-1(2).
Baloram Mazumdar Street	... 35.
Sovabazar Street	... 98, 100, 101(2), 122.
Strand Road	... 67-10(2), 67-10-11.
<b>Ward No. 3.</b>	
Beadon Street	... 81.
Brindaban Bose Lane	... 30.
Chitpore Road, Upper	... 139(2), 149.
Cornwallis Street	... 76-1, 76-3, 148.
Circular Road, Upper	... 254.
Grey Street	... 26-1(2).
Hazi Zekharra Lane	... 1.
Musjidbaree Street	... 167-H-9.
Munshipara Lane	... 16.
Pearymohan Sur Lane	... 9-3.
Simla Road	... 16.
Ultadingi Road	... 86.
<b>Ward No. 4.</b>	
Canal West Road	... 15(3), 16(3), 17(7), 18(12), 19(9).
Bipradas Street	... 1.
Bahir Mirzapore Road	... 1.
Circular Road, Upper	... 93-1-H, 120, 121, 258(2), 289(2), 295.
Gas Street	... 3-H-1, 4-1, 5-1, 5-3, 6-H-2.
Manicktolla Road	... 13.
Machuabazar Street	... 68.
Rajendralala Street	... 2.
<b>Ward No. 5.</b>	
Burtolla Street	... 35, 82(2), 83.
Banstolla Street	... 2, 66(4).
Bysack Street	... 2.
Darponarain Tagore Street	... 14-1, 17, 28.
Jorabagan Street	... 15-2, 19, 25, 28.
Brojogobinda Sha Lane	... 1.

Name of Street.	Street or holding number with the number of warehouses shewn in brackets when more than one.
Cotton Street	... 114-1, 115(4), 117, 117-1, 119, 123, 125(2), 125-1, 130, 131(4), 132(2), 133(4), 134, 135, 137, 138.
Kalakar Lane	... 2, 8.
Narayan Prosad Babu Lane	... 11.
Chitpore Road, Upper	... 357, 391, 402(10).
Darmahatta Street	... 20(4), 21(11), 34, 36-1(2), 37, 38(2), 41(3), 52, 61(2), 62, 63, 64(2), 65(12), 65-1(27), 66, 67, 68(2), 69, 182, 183, 184(2), 185, 186, 187(10), 192, 202-10, 202-11.
Jagamohan Mullick Lane	... 8-1.
Dayahatta Street	... 3, 8.
Mandal Street	... 18-4, 43.
Moidaputty Lane	... 2, 3, 3-1(3), 3-2(2), 4(3), 6.
Moirahatta Street	... 31, 34.
Prasannakumar Tagore Street	... 9(2).
Raghunandan Lane	... 9-1(3).
Ramlal Sett Road	... 1, 2, 3(2).
Shama By Lane	... 2, 6, 8.
Sovaram Bysak Street	... 1(2), 8, 10, 14-3-1.
Nimtolla Ghat Street	... 5-1(4), 13, 14, 14-2, 40, 42.
Strand Road	... 57, 62(4), 67(20).

**Ward No. 6.**

Beadon Street	... 16-2A.
Baranashi Ghose Street	... 14.
Chitpore Road, Upper	... 9, 56.
Machhuabazar Street	... 135-1(2).
Mitter Lane	... 6-1, 19.
Raja Rajendra Mullick Street	... 18.

**Ward No. 7.**

Armenian Street	... 20.
Amratala Street	... 29.
Bonfield's Lane	... 16.
Cross Street	... 94(6).
Canning Street	... 48, 56, 58, 60(3), 63, 65(2), 66(2), 69-1, 70, 95(2), 107.
Clive Street	... 29, 40(2), 41B, 42(12), 46-H, 62(3), 70(5), 71-E, 72-2(3), 73(2), 78(3), 82.
Cotton Street	... 62(4), 67, 68(2), 70, 71(3), 72, 73(3), 74-1, 75(2), 76, 77(3).
David Joseph Lane	... 4, 6(3), 16(3), 16-1, 18.
Ezra Street	... 9, 54, 64.
Jackson Lane	... 4, 18, 20.
Old Court House Lane	... 4(2), 5(2), 8.
Parsee Church Street	... 9.
Lyons Range	... 2.
Pollock Street	... 1, 1-1, 14, 24(3), 28.
Ramsebak Mullick Lane	... 27.
Manook Lane	... 3.
Radhabazar Street	... 19.
Strand Road	... 42(4), 67.
Synagogue Street	... 15.
Sukeas Lane	... 3, 4, 5(4), 11(2), 11-1, 12(2), 15, 16, 17, 18, 19, 20.

**Ward No. 8.**

Chattawalla Gullee	... 26, 35, 37.
Chitpore Road, Lower	... 11.
Bowbazar Street	... 225, 236, 242, 245, 263, 264, 285-4-1, 296, 309.
Kalutolla Lane	... 5.
Phear Lane	... 33, 74, 75.
Blackburn Lane	... 33.



Name of Street.	Street or holding number with the number of warehouses shewn in brackets, when more than one.
Sovaram Bysack Lane	... 27-2(2), 1.
Giri Babu Lane	... 30.
Kalutolla Street	... 11-3, 34-1, 37, 38, 65-1, 80, 81(4), 84(2).
Machuabazar Street	... 1-2, 12.
Sagore Dutt Lane	... 7A(20).
Madanmohan Sen Lane	... 25.
Ismail Madan Lane	... 13.
Teritta Bazar Street	... 19.
<b>Ward No. 9.</b>	
Baithakhana Road	... 1, 2, 3, 4, 5, 8, 9, 10, 41, 168.
Beliaghata Road	... 133(2), 137.
Amherst Street	... 110-1, 128(2), 133(2), 136, 137, 151.
Bowbazar Street	... 167(13), 171.
Canal West Road	... 1, 2.
Harrison Road	... 17, 19, 31, 40.
Joynarain Ch. Lane	... 1-2-A, 1-3-A.
Srigopal Mullick Lane	... 4, 49.
Musalmanpara Lane	... 18.
Circular Road, Upper	... 4, 7, 8, 302-1.
College Street	... 18.
Brojonath Dutt Lane	... 4.
Chutarpara Lane	... 10.
Chunapuker Lane	... 32.
Machuabazar Street	... 60, 60-1.
Mirzapore Tank Lane	... 2-1.
Nilmoney Ganguly Lane	... 5.
Nitai Babu Lane	... 1.
Noor Mahammed Sircar Lane	... 5-A.
Mirzapur Street	... 27, 27-1, 27-5(2), 28-1(2), 29-1-1, 29-2, 29-H-2, 31-1, 63-1(3), 63-2, 64-1.
Parwarbagan Lane	... 16.
Patuatolla Lane	... 20.
Prem Chand Boral Street	... 49.
Ramkanta Mistry Lane	... 1 & 2.
Scott Lane	... 34-1(2), 37, 38(2).
Siddeswar Chandra Lane	... 13-2, 13-3, 13-4.
<b>Ward No. 10.</b>	
Bentinck Street	... 60, 61, 73, 77, 77-1, 77-3, 81-7, 80-5, 76, 51(2).
Bowbazar Street	... 67-1.
Bow Street	... 8-1.
New Bowbazar Lane	... 3-1, 3.
Grant's Lane	... 3, 13.
Jebb Lane	... 3.
Khairoo Lane	... 22, 2, 4B.
Metcalf Street	... 4, 60.
Prinsep Street	... 5, 14, 16.
Howe Lane	... 4, 5.
Weston Street	... 6, 8, 12-1, 56, 11, 17.
Dhurruntolla Street	... 167(4).
<b>Ward No. 11.</b>	
Bowbazar Street	... 121, 123, 127, 128, 132, 137, 144.
St. James' Lane	... 20, 63.
Circular Road, Lower	... 124, 132.
Nebutolla Lane	... 11, 5-2.
Huzurimull Lane	... 5.
Serpentine Lane	... 67.

Name of Street.

Street or holding number, with the number of  
warehouses shown in brackets,  
when more than one.**Ward No. 12.**

Bentinck Street	... 7(2), 13(2), 27-2, 39.
Church Lane	... 6.
Cooper Lane	... 4.
Dalhousie Square	... 4.
Fancy Lane	... 4.
Lalbazar Street	... 1, 3, 6, 8-1, 8B, 9.
Mission Row	... 1, 7, 8(2), 12.
Mangoe Lane	... 2-1, 25, 5.
Wellesley Place	... 7-1.

**Ward No. 13.**

Corporation Place	... 1, 10, 12, 13, 15.
Corporation Street	... 122-1, 129, 131, 141, 136, 133-1.
Collin Street	... 24.
Dhurrumtolla Street	... 3, 2, 9.
Free School Street	... 19-3, 59(5), 72-2, 57½.
Grant Street	... 1.
Lindsay Street	... 12, 12-1, 7.
Chowringhee Place	... 4.
Mott Lane	... 44.
Motilal Seal Street	... 2.
Wellesley Street	... 2-H-1, 26-H-2, 25.
Ripon Street	... 199.

**Ward No. 14.**

Circular Road, Lower	... 76, 88, 93.
Corporation Street	... 49-64, 106.
Dhurrumtolla Street	... 88, 88-1.
Dr. Durga Ch. Banerji Street	... 22, 49(2), 61.
Munshi Alimiddin Street	... 21, 37.
Ripon Street	... 99.
Wellesley Street	... 80, 83.
Neogypuker By Lane	... 10-1.
Nawab Abdul Latif Lane	... 8, 12.

**Ward No. 15.**

Circular Road, Lower	... 37.
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**Ward No. 19.**

Ananda Gopal Palit Road	... 17, 18, 41(2), 44, 63-2.
Dehi Entally Road	... 16, 17-3.
Beliaghata Road	... 4(26), 10-1, 18.
Canal South Road	... 1(4), 2-H-1, 3-H-1, 4(2), 5(3), 6(3), 7, 8, 9, 10, 10-H-1, 10-H-11, 12-1, 14, 15, 16(2), 17(2), 18, 19, 20(2), 21, 27, 31, 33.
Circular Road, Lower	... 154(2), 154-1, 156(2), 156-1.
Kulia Tangra, 2nd Lane	... 2.
Sambhu Babu Lane	... 13-1.
Harimohan Roy Lane	... 1.
Police Hospital Road	... 35.
South Road, Entally	... 5, 9-2, 9-3, 18, 67-1, 68-1, 90.
Middle Road, Entally	... 40, 30, 37(3), 43-2.
South Sealdah Road	... 1-1, 2-1, 10, 12.

**Ward No. 20.**

Jannagore Road	... 2, 3, 41.
Karraya Bazar Road	... 14.
Jhowtolla Road	... 2.
Kimber Street	... 6.



Name of Street.	Street or holding number, with the number of warehouses shown in brackets, when more than one.
<b>Ward No. 21.</b>	
Karraya Road	... 22.
Russa Road, South	... 35, 73, 133, 139-2.
Dhakuria Road	... 27, 105.
Guriahat Road	... 48-1.
Bundel Road	... 8.
Tollygunge Circular Road	... 12, 14, 15.
Monoharpuker 1st Lane	... 44.
Monoharpuker Road	... 11.
Tollygunge Road	... 21-G, 69(3), 72, 74, 75, 75-1, 76(3), 112-1, 114-1, 114-2, 115-2.
Lower Circular Road	... 223.
<b>Ward No. 22.</b>	
Beltolla Road	... 19.
Chaulputty Road	... 4-H-1, 13, 30, 30-1, 50-1, 53, 56, 61.
Gobinda Bose Lane	... 1-1.
Halderpara Road	... 1, 32.
Hazra Road	... 1-1, 127.
Haris Ch. Mukerji Road	... 56, 62, 138.
Kali Ghat Road	... 19, 20(2), 23, 31-1, 31-3, 48-4, 136-4, 140.
Harish Ch. Chatterji Street	... 18, 27-2, 28-1, 29-1, 30, 29-H-1, 30-1, 33(2), 34-1-2, 38, 40-1, 44, 44-1, 44-3, 45, 46.
Lansdowne Road	... 55-3.
Madan Pal Lane	... 45, 6, 36-H-1, 36-H-2, 16, 26, 28.
Puddapuker Lane	... 2.
Kansaripara Road	... 66.
Katuakhoti Road	... 8-H-1, 9-H-3.
Nepal Bhattacharji Lane	... 4, 10-1.
Kalidas Patitandi Lane	... 1-3, 5-1.
Mohim Halder Street	... 7-1, 32-1-1.
Russa Road South	... 141, 143.
Chakraberia Road, South	... 44-1 and 44-4.
Sankaripara Road	... 12.
<b>Ward No. 23.</b>	
Bridge Road	... 3-73, 11, 8, 17, 19, 20, 24, 25.
Chetla Road	... 1, 17-1.
Gopalnagore Road	... 20-1.
Chetla Hat Road	... 5, 20-14(2), 19.
Judge's Court Road	... 40.
Meyerpore Road	... 3, 12-1, 73-4, 73-6-18.
Joynuddi Mistri Lane	... 27.
Alipore Park Road	... 2.
Alipore Road	... 19, 35.
<b>Ward No. 24.</b>	
Bhukoilash Road	... 1(2), 1(1).
Kailasarak Road	... 11-1-1.
Kantapuker Road	... "W" Shed.
Circular Garden Reach Road	... 48-B.
<b>Ward No. 25.</b>	
Berapuker Road	... 5-3, 11, 12, 13.
Circular Garden Reach Road	... 18(2), 116-H, 120-1, 8-1-1.
Kuturi Road	... 35-2.
Garden Reach Road	... 10, 86, 96(2), 98(5).
Ram Kamal Mukherji Street	... 27-1, 28-1.
Metapuker Lane	... 27.
Monsatolla Lane	... 27.
Neluapara Road	... 4.
Watgunj Street	... 12.

Name of Street.	Street or holding number, with the number of warehouses shown in brackets, when more than one.
Munshigunge Road	... 3(2), 3-2, 6, 7, 6-8, 9-17, 13(2), 12, 28, 29, 32, 33, 35(2), 36, 37, 38(2).
Puddapuker Street	... 1, 1-4, 2-1, 32, 41(3) 43.
Puddapuker Square	... 11.
Puddapuker West Lane	... 9, 10, 36-1.
Gangadhar Banerji Lane	... 8-1(7), 8-2(2).
Tarafdar Tank 2nd Lane	... 8(2).
Diamond Harbour Road	... 89(4), 89-5(3), 90, 90-1(2), 89, 90-1-3.

No. 133M., dated Calcutta, the 28th July 1919.

From—The Hon'ble Mr. J. LANG, I.C.S., Commr. of the Presy. Divn.

To—The Secy. to the Govt. of Bengal, Municipal Department.

I HAVE the honour to submit, herewith, copies of the report on the working of the Licensed Jute Warehouse and Fire-Brigade Act, I (B.C.) of 1893, for the year ending the 31st March 1919, in Cossipore-Chitpur, Maniktala and Garden Reach Municipalities.

No. 899, dated Tala, the 13th June 1919.

From—BABU HEM CHANDRA DE, M.A., Chairman, Cossipore-Chitpur Municipality,

To—The Magistrate of the 24-Parganas, Alipore.

WITH reference to your letter No. M—327-1-19, dated the 6th May 1919, I have the honour to submit the following report on the working of the Jute Warehouse and Fire Brigade Act within the municipality during the year 1918-19, together with the statements of receipts and disbursements and of the licensed warehouses, in the forms prescribed by Government.

2. The rate of the licence-fee levied on the warehouses in the year of report was 7½ per cent. on the annual valuations of warehouses, as was done in the previous year.

3. The total receipts from the fees and the rates specified in statement I amounted to Rs. 27,422-10. The demand of the Commissioner of Police for the year on account of contribution towards the cost of maintenance of the Metropolitan Fire Brigade payable by this municipality being Rs. 40,652, the Municipal Commissioners had to pay Rs. 13,229-6 from their general fund.

4. No rates were levied under section 25 (i) (a), (b) and (c) of the Licensed Warehouse and Fire Brigade Act during the year of report.

5. A sum of Rs. 58 was received from the Police Magistrate, Sealdah, during the year of report, as fine imposed on persons using warehouses without licences.

6. The warehouses licensed during the year of report, are shown in the statement put up herewith.

### STATEMENT I.

#### Statement of Receipts and Disbursements.

Opening Balance on 1st April 1918—Nil. The Debit Balance of Rs. 13,229-6 was met from the general fund.

#### Receipts.

	DEMAND.			COLLECTIONS.			REMISSION.			BALANCE.		
	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.
	Rs. A. P.	Rs. A.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.
Licence fee levied under sections 10 and 24.	22 0 9	28,488 12	28,510 12 9	22 0 9	27,291 15 9	27,314 0 6	...	1,196 12 3	1,196 12 3	...	...	...
Mutation fee	...	50 0	50 0 0	...	50 0 0	50 0 0	...	...	...	...	...	...
Rates under section—												
25 (1) (a)	0 9 6	...	0 9 6	0 9 6	...	0 2 6	...	...	...	...	...	...
25 (1) (b)	...	...	...	...	...	...	...	...	...	...	...	...
25 (1) (c)	...	...	...	...	...	...	...	...	...	...	...	...
Fines and penalties under the Act.	...	58 0	58 0 0	...	58 0 0	58 0 0	...	...	...	...	...	...
Total	22 10 3	28,596 12	28,619 6 3	22 10 3	27,399 15 9	27,422 10 0	...	1,196 12 3	1,196 12 3	...	...	...



*Disbursements.*

	Rs.
1. Establishment	...
2. Contribution to Fire Brigade Fund...	40,652
3. Any other special item	...
4. Total	40,652
5. Closing Balance	...
6. Grand Total	...

The total receipts being Rs. 27,422-10, the deficit of Rs. 13,229-6 was met from the general fund.

**Statement of Warehouses licensed during 1918-19.**

Name of Road.	Number of Holdings.
Barrackpore Trunk Road	... 3-1, 3-3, 3-3-1, 5, 32-3, 26-29-1, 57-9, 58-70, 60-1, 74A, 83, 84, 85-1.
Gum Foundry Road	... 1.
Cossipore Road	... 1, 26, 30, 32, 115
Lock Gate Road	... 45, 51.
Sugar Works Lane	... 1, 2, 3.
Ram Gopal Ghosh Road	... 2A.
Kali Prasanna Sinha Road	... 2, 3, 4, 4-A, 6, 8, 13, 13-A, 16.
Nawabputty Street	... 1, 5, 7, 14.
Dilarjung Road	... 1, 4, 5, 6.
Chitpore Ghat Lane	... 1, 3, 6, 8, 9, 10, 17, 19.
Brojo Doyal Shaw Road	... 2, 3, 8.
New Strand Road	... 2, 5.
Pran Kissen Mukerji Lane	... 2, 3, 4, 5, 5A, 6, 7, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25A, 26, 27, 29, 28.
Pran Kissen Mukerji Road	... 2-2, 4, 4A, 5, 8, 9, 6, 7, 9-B, 9A, 10-1, 11-1, 11-4, 11-3, 12, 12-1, 15-1, 15-6, 20, 21, 22-B, 22-C, 22-1-1, 23, 24, 25-1, 25-3, 26-A, 26-D, 26E, 26-2, 26-5-1, 27-1, 28, 26-7, 26-8, 30, 31, 32, 33, 30-2, 34-1, 34-2, 34-3, 34-4, 36, 37, 34-2-1.
Chitpore Street	... 2, 3, 4, 5, 5-A, 7, 9, 10, 11.
Settpooker Road	... 4, 14, 1-6-2.
Chitpore Cross Road	... 1-1, 3, 8, 8-2.
Kali Kumar Banerjee Lane	... 11A, 17-1, 19, 21.
Rustomji Parsee Road	... 5.
Gopi Mandal Lane	... 7.
Kali Charan Sett Road	... 4.
Ranee Road	... 18-1.
Gangulipara Lane	... 2-1.
Paikpara Road	... 13-13, 14-101, 14-91-1, 29-25.
Belgachia Road	... 12-1, 12-2, 13-A, 14, 15-3, 17, 19, 20, 34-2, 34-4, 34-13, 40, 42, 44, 44-1-2, 52-1, 53, 55, 58, 62-2, 62-3, 62-3-1, 62-3-2, 62-8-A, 62-8-1, 62-11, 66-A, 66B, 66-B-1, 68-7, 68-8-1, 68-10, 68-13, 68-15, 68-17, 68-19, 70, 86-1, 88, 91, 94, 99, 101, 102, 103-A, 105, 109, 110.
Khelat Babu Lane	... 26, 35-14.
South Paikpara Road	... 6-1-1.
Nilmani Mitter Street	... 8-A, 8-2-2, 8-3-1-1, 8-3-1-4, 10, 10-1, 15, 16, 17, 21-1.
Srish Chowdhury Lane	... 21, 24-10-1.
Canal Road	... 1-5, 1-11, 1-12, 2-3, 3-1-A, 3-1-B, 3-3, 4, 6, 7-2, 7-3, 7-8-1, 7-10.
Ultadanga Yard (E. B. Railway)	... 129, 130.

**Maniktala Municipality.**

No. 841, dated Narkeldanga, the 22nd May 1919.

From—BABU UPENDRA CHANDRA BANERJEE, M.A., B.L., Chairman,  
Maniktala Municipality.

To—The Magistrate of the 24-Parganas, Alipore.

WITH reference to your letter No. M.327-1-19, dated the 6th May 1919, I have the honour to submit the Annual Report for the year 1918-19 on the working of the Jute Warehouses and Fire Brigade Act during the said year.

(1) The share of expenditure allotted to this municipality by the Commissioner of Police was Rs. 5,082, which was discharged in two instalments.

(2) The revenue during the year of report amounted to Rs. 3,814-14-6.

(3) Licence fees were levied on jute warehouses at the rate of 4 per cent. and 8 per cent. on the annual value of the holdings and at 10 per cent. on trades of other descriptions.

(4) The jute godowns and firewood, hay and straw depôts are mostly situated near the Circular Canal, which bounds the municipality on all sides. The Surah jute mill and the jute pressing mill of Messrs. Landale and Clarke are the two mills situated within this municipality.

(5) The following statements in the prescribed forms are annexed hereto:—

(a) Statement showing the receipts and disbursements for the year 1918-19.

(b) A statement showing the number and locality of jute warehouses.

### STATEMENT I.

**MANIKTALA MUNICIPALITY.**

**Statement showing the Receipts and Disbursements for the year 1918-19.**

Opening debit balance on the 1st April 1918	...	Rs. 251-4-6.
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*Receipts.*

Description of receipts.	DEMAND.			COLLECTION.			REMISSION.			BALANCE.		
	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.
Licence fees levied under sections 10 and 14.	Rs. A. P. 96 6 3	Rs. A. P. 3,936 5 3	Rs. A. P. 3,962 11 6	Rs. A. P. 26 6 8	Rs. A. P. 1,788 8 3	Rs. A. P. 3,314 14 6	Rs. ---	Rs. A. P. 103 6 6	Rs. A. P. 103 6 6	Rs. ---	Rs. A. P. 44 6 6	Rs. A. P. 44 6 6
Mutation fee levied under section 11.	---	---	---	---	---	---	---	---	---	---	---	---
Rates levied under section 23 (1) (b) and 23 (1) (c).	---	---	---	---	---	---	---	---	---	---	---	---
Fines and penalties under the Act.	---	---	---	---	---	---	---	---	---	---	---	---
Deduct—Opening debit balance				...	...	251 4 8						
Total receipts				...	...	3,563 10 0						

\* *Vide* explanation under footnote in Statement III.

### Disbursements.

1918-19.

Rs.    A.

(1) Establishment	...	...	...	...
(2) Contribution	...	...	...	5,082 0
(3) Any other special items	...	...	...	...
(4) Total	...	...	...	5,082 0
(5) Closing debit balance	...	...	...	1,518 6
(6) Grand Total	...	...	...	3,563 10



**STATEMENT II.****Statement showing the locality where the jute warehouses are situated.**

Name of road.	Number of holdings.
Canal Circular Road ...	1, 2, 4-5, 5, 11-6-2 and 24.
Shaikhpara Road ...	4.
Ariff Road ...	14-1.
Gurudas Dutt Garden Lane...	6-2.
Ultadanga Main Road ...	1, 2, 2-12, 83, 137-1-2 and 150.
Canal East Road ...	3, 5-1, 5-8, 5-9-1, 5-11, 5-13, 5-14-1, 5-15, 5-18, 6, 8, 9, 9-20, 10-6, 12-6, 14-1, 14-3, 14-22, 16-1, 17-1, 20, 21-1, 42-36, 44-4, 48-1, 48-4, 49-1, 49-2, 51-1, 51-2, 52-2, 52-3, 52-4, 52-5, 52-7, 52-8, 52-9 and 52-10.
Ultadanga Lane ...	19-21 and 36.
Maniktala Main Road ...	110 and 136-7.
Narikeldanga Main Road ...	93 and 102.
Chaulputty Road ...	4-4, 4-5, 5, 27, 28, 29, 29-2, 31-5, 32-3, 33-1, 34-2, 35-1, 35-A, 36, 37, 39 and 40-1.

No. 117G.M., dated the 2nd June 1919.

From—J. A. MURRAY, Esq., Chairman, Garden Reach Municipality,  
To—The Magistrate of the 24-Parganas, Alipore.

WITH reference to your letter No. M-327-1-19, dated the 6th May 1919, I have the honour to report as follows on the working of the Licensed Jute Warehouses and Fire Brigade Act in this municipality for the year 1918-19 and to submit statements I and II in the prescribed form.

2. During the year under report the total income from jute warehouse fees and from rates under section 25(b) of the Fire Brigade Act, as shown in statement I, was Rs. 3,755-2 against Rs. 3,905-14-6 in the previous year. The amount of contribution paid to the Fire Brigade Fund was Rs. 7,622 against Rs. 6,317 in 1917-18.

In levying the jute warehouse fees the limitations prescribed by the provisos under section 10 of the Fire Brigade Act were strictly followed.

3. The rates at which the fees were levied were 8 per cent. on the annual value of all large warehouses, 10 per cent. on the annual value of wood and straw depôts and  $\frac{1}{2}$  per cent. on the annual value of all bustee lands with huts, if any, on them. A list of licensed warehouses within this municipality during the year under review is given in statement II.

**STATEMENT I.****Statement of Receipts and Disbursements.**

Opening balance on 31st April 1919 ... Nil.

*Receipts.*

	DEMAND.			COLLECTION.			REMISSION.			BALANCE.		
	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.	Arrear.	Current.	Total.
	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs.	Rs. A.	Rs.	Rs. A.	Rs. A.
Licence fees levied under sections 10 and 24.	133 0	3,548 2	3,721 2	125 0	3,484 9	3,609 9	8 0	...	8 0	...	163 9	163 9
Mutation fees levied under section 11.	...	...	...	...	...	...	...	...	...	...	...	...
Rates levied under section 25 (1) (a).	...	...	...	...	...	...	...	...	...	...	...	...
Rates levied under section 25 (1) (b).	40 5	117 15	158 4	40 5	105 4	145 9	...	...	...	...	12 11	12 11
Rates levied under section 25 (1) (c).	...	...	...	...	...	...	...	...	...	...	...	...
Fines and penalties under this Act.	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	173 5	3,766 1	3,939 6	165 5	3,589 13	3,755 2	8 0	...	8 0	...	176 4	176 4

*Disbursements.*

			Rs.
1. Establishment	...	...	...
2. Contribution to Fire Brigade	...	...	7,622
3. Any other special item	...	...	...
4. Total	...	...	7,622
5. Closing balance	...	...	...
6. Grand total	...	...	7,622

**STATEMENT II.**

**List of licensed warehouses for 1918-19.**

Name of street.	Street or Holding number, with the number of warehouses shown in brackets, when there are more than one.
Garden Reach Road	... A-8 (3), A-10, B-8, B-10, C-1, C-3, C-5, E-6 F-43, G-239, B-57.
Ramnagore Lane	... G-212.
Bichalighat Road	... B-105-1, B-118, B-125, B-127, B-130, B-132, B-133, B-146, B-128, B-148,
Batecal	... G-72.
Paharpore Road	... J-200.
Rameswarpore Road	... I-70.
Dum-Dum Road	... Z-I.

**List of warehouses licensed for 1917-18 during 1918-19.**

Garden Reach Road	... A-8, F-34, F-30-1-1, I-19.
Bichalighat	... B-128.
Rameswarpore	... I-90.



## DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 4th September 1919.

**Summary.**—During the week light to moderate rain was general throughout the province. More rain is urgently wanted, especially in some of the northern and eastern districts, for transplanting of winter paddy and steeping and washing of jute. The harvesting of jute is progressing slowly for want of sufficient water for steeping, but that of autumn paddy is going on as usual. The weeding of winter paddy continues. The condition and prospects of standing crops are generally satisfactory. Damage to jute by insects continues to be reported from 24-Parganas and Nadia. The average price of common rice for the province has risen by about 4·24 per cent. as compared with that of the previous week. The daily average number of persons engaged in test works in the Brahmanbaria subdivision, during the week was 32.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
1	24-PARGANAS	1·35	4½	4	Transplanting of <i>aman</i> paddy and harvesting of <i>aus</i> paddy continue. Condition and prospects of jute are good. Effects of weather on the crop are good. Damage by insects is reported from some places in Barasat subdivision. Harvesting of jute is progressing. Fodder and water are sufficient.
	Diamond Harbour.	(n)	(n)	(n)	
	Barrackpore	0·69	4	4½	
	Barasat ...	3·16	4	5	
	Basirhat ...	(n)	(n)	4½	
2	NADIA ...	1·14	4 <sup>7</sup> / <sub>16</sub>	4½	Prospects of standing crops, including jute, are good. Harvesting of <i>aus</i> paddy and steeping of jute continue. Effects of weather are favourable. Some damage to jute has been done by insect-pests.
	Kushtia ...	7·29	4	5	
	Meherpur ...	1·48	6½	6½	
	Chuadanga ...	2·33	4½	5	
	Ranaghat ...	1·82	4	(n)	
3	MURSHIDABAD	2·32	4½	5	Prospects of standing crops are good. Harvesting of <i>aus</i> paddy and transplanting and weeding of <i>aman</i> paddy continue. More rain is wanted in many parts of the district. Condition and prospects of jute are good. Effects of weather are favourable to its growth. Harvesting continues. Cattle-disease is reported from Sagardighi and Nabagram thanas. Fodder is sufficient. Export of rice is going on from Lalbagh, Kandi and Jangipur subdivisions. Price of rice is rising.
	Lalbagh ...	1·07	5	5	
	Jangipur ...	0·76	4½	4½	
	Kandi ...	2·38	4½	5	
4	JESSORE ...	2·91	4	5	Harvesting of <i>aus</i> paddy and transplanting of <i>aman</i> paddy continue. Standing crops are doing well. Slight damage to jute and <i>aus</i> paddy has been done by floods in Narail subdivision. Condition and prospects of jute are fair. Steeping and washing continue.
	Jhenidah ...	1·72	5	5	
	Magura ...	3·23	5	5	
	Narail ...	3·17	4½	4½	
	Bangaon ...	2·86	4½	4½	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
5	KHULNA ...	2.23	3 $\frac{9}{16}$	5 $\frac{1}{2}$	Transplantation of <i>aman</i> paddy is going on. Condition and prospects of jute are good; the effects of the weather on the growth of the crop are good. No damage. Cutting and steeping are going on. Water and fodder sufficient.
	Satkhira ...	1.73	5	5	
	Bagerhat ...	3.14	3 $\frac{1}{2}$	4 $\frac{1}{2}$	
6	BURDWAN ...	3.74	4	4 $\frac{1}{2}$	Weather rainy. Transplanting of <i>aman</i> paddy is nearly finished. Condition of sugarcane is good. Weeding of <i>aman</i> paddy and harvesting of jute and <i>aus</i> paddy continue. Prices are abnormally high on account of exports.
	Asansol ...	1.27	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Katwa ...	1.09	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Kalua ...	0.40	3 $\frac{1}{2}$	4	
7	BIRBHUM ...	1.60	4 $\frac{1}{2}$	5	Transplantation of winter paddy is over. Prospects of standing crops are favourable. Fodder and water are sufficient.
	Rampurhat ...	1.07	5	5 $\frac{1}{2}$	
8	BANKURA ...	3.35	4 $\frac{1}{2}$	5	Early variety of <i>aus</i> paddy and maize are being harvested. Prospects of standing crops are good. Export of rice and paddy continues. Price is rising owing to shortage of import.
	Vishnupur ...	6.79	5 $\frac{1}{2}$	5 $\frac{1}{2}$	
9	MIDNAPORE	0.62	{ 5*	5 $\frac{1}{2}$	Harvesting of jute continues. In Tamluk subdivision the crop is slightly damaged owing to excessive rainfall, elsewhere its condition is good. Prospects of winter rice are good, though some damage is reported from Contai on account of excessive rainfall. The transplanting of winter paddy is nearly finished. Cattle disease is reported from Contai, Khejri and Bahiri thanas.
	Ghatal ...	3.31	{ 5 $\frac{3}{16}$ †	4 $\frac{9}{16}$	
	Tamluk ...	2.38	{ 4 $\frac{1}{2}$ *	5	
	Contai ...	3.74	{ 5†	5 $\frac{1}{2}$	
			{ 6*		
			{ 6 $\frac{1}{2}$ †		
10	HOOGHLY ...	0.93	4	4 $\frac{1}{2}$	Effects of weather on the growth of the crops are favourable. Price of rice is rising. Condition and prospects of jute are fair. Harvesting is going on. Fodder is sufficient.
	Serampore ...	0.79	4 $\frac{5}{16}$	4 $\frac{1}{2}$	
	Arumbagh ...	13.52	5 $\frac{1}{2}$	5 $\frac{1}{2}$	
11	HOWRAH ...	1.38	4	4	Weather rainy. Condition of sugarcane is good. Transplantation of <i>aman</i> paddy is almost over. Condition of jute is good. Harvesting of jute continues in low lands. Fodder is sufficient.
	Ulubaria ...	6.14	3 $\frac{7}{8}$	5 $\frac{1}{2}$	
12	RAJSHAHI (RAMPUR-BOALIA).	1.45	4 $\frac{5}{16}$	4 $\frac{1}{2}$	The prospects of jute and other standing crops are favourable. Harvesting of jute and <i>aus</i> paddy and transplanting of winter paddy continue. Fodder is sufficient.
	Naogaon ...	1.62	3 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Nator ...	1.80	4 $\frac{1}{2}$	4 $\frac{1}{2}$	

\*Common rice.

†Coarse rice.



Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERs. PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
13	DINAJPUR ...	1.32	3½	4½ <sup>3</sup> / <sub>16</sub>	Weather seasonable. Prospects of standing crops are fair. Harvesting of jute and other <i>bhadr</i> crops continues. More rain is wanted at Sadar and Thakurgaon for transplantation of <i>aman</i> paddy. Fodder is sufficient. Rice market is stationary at Balurghat, but rising at Sadar and Thakurgaon.
	Thakurgaon	2.66	3½	5	
	Balurghat ...	2.42	4½ <sup>5</sup> / <sub>16</sub>	4½	
14	JALPAIGURI	3.85	3½	5	Prospects of standing crops are fair. More rain is wanted for transplantation of winter paddy. Fodder and water are sufficient.
	Alipur ...	3.66	4	4	
15	DARJEELING	5.63	5½	4½	Harvesting of potatoes, cardamom and maize continues. <i>Marua</i> growing well. Condition and prospects of jute are fair. Effects of weather on the growth of jute are fair. No damage. Transplanting of autumn paddy and harvesting and steeping of jute are being retarded owing to insufficient rainfall. The supply of fodder and water is sufficient. Stock of food-grains is insufficient.
	Kurseong ...	5.86	5½	4½	
	Siliguri ...	2.63	4	4	
	Kalimpong ...	3.55	5½	5½	
16	RANGPUR ...	1.92	4½	4½	Weather seasonable. Harvesting of <i>aus</i> paddy is finished. More rain is urgently wanted for transplanting of winter rice and steeping and washing of jute. Weather is not favourable for winter rice. Fodder and water are sufficient. Price of rice is rising. Export is going on. Cattle-disease is reported from Lalmonirhat and Sadullapur thanas.
	Nilphamari	1.38	4	4	
	Kurigram ...	2.71	4	4½	
	Gaibandha ...	1.96	4½	4½	
17	BOGRA ...	2.48	4½	4½	Transplanting of winter paddy and harvesting of jute and <i>aus</i> paddy continue. Steeping and washing of jute are retarded for low flood.
18	PABNA ...	3.06	4½	5	<i>Aus</i> paddy has been harvested. Harvesting of jute continues. Water is insufficient for steeping of jute. Prospect of <i>aman</i> paddy is fair in Sadar subdivisions, but not good in Sirajganj. Supply of fodder is tolerable.
	Sirajganj ...	(n)	(n)	4	

(n) Not reported.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEKUS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
19	MALDA ...	3.92	4	4½	Transplanting of winter rice is still going on. Prospects of jute are fair. No damage to crop is reported. Harvesting continues. Fodder and water are sufficient. Cattle-disease is reported from Bholahat and Englishbazar thanas.
20	COOCH BEHAR	6.83	7½	7½	Weather seasonable. Transplantation of <i>haimanti</i> paddy seedlings and steeping and washing of jute continue. Effects of weather on the growth of jute are good. Fodder is sufficient.
21	DACCA ...	8.68	3½	3½	Weather seasonable. Heavy rain has benefited <i>aman</i> paddy, but the lowness of water level is hindering the steeping of jute. Condition and prospects of standing crops are fair. Cattle-disease is reported from parts of Narayanganj subdivision.
	Manikganj ...	3.12	3½	4	
	Narayanganj	3.69	3½	3½	
	Munshiganj*	4.90	3½	(n)	
22	MYMENSINGH	1.62	3½	3½	Weather cloudy with occasional showers. More rain is badly wanted. Harvesting of jute and <i>aus</i> paddy continues, but steeping of jute and transplantation of paddy are being impeded for want of water. Prospects of crops are fair, but their growth is being affected. Fodder is sufficient. Cattle-disease is reported from places.
	Jamalpur ...	0.57	3½	3½	
	Tangail ...	(n)	(n)	(n)	
	Netrakona ...	2.42	3½	3½	
	Kishorganj...	5.78	3½	3½	
23	FARIDPUR ...	5.26	3½	3½	Weather is favourable to the standing crops. Harvesting of jute still continues. Prospects of standing crops are good. Fodder is available. Rangoon rice is being imported.
	Goalundo ...	2.06	4½	4½	
	Madaripur ...	5.04	3½	4	
	Gopalganj†...	4.76	3½	4	
24	BAKARGANJ (BARISAL).	2.62	3½	3½	Prospects of jute are good; weather is favourable. No damage done to the crop. Harvesting is nearly finished. Prospects of other crops are fair. Fodder is sufficient.
	Pirojpur ...	4.04	3½	3½	
	Patua Khali...	7.01	3½	3½	
	Dakshin Shahazpur (Bhola).	3.33	3½	3½	

\* Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district rainfall figures for Kapasia thana are reported here.

† The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

1

‡ *Aus* rice.



Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
25	CHITTAGONG	3.66	4½	4¾	Prospects of standing crops are good. Cultivation of <i>aman</i> paddy is going on. Harvesting of <i>aus</i> paddy is progressing. <i>Panga</i> salt is selling at 9 seers per rupee both at Sadar and Cox's Bazar. Fodder is sufficient.
	Cox's Bazar	8.90	4½	4½	
26	TIPPERA (COMILLA).	2.95	4¼	4¼	Weather seasonable but hot. More rain is wanted. The prospects of <i>aus</i> paddy are fair and those of jute are good. The price of rice still rules high. Harvesting of jute and <i>aus</i> paddy and transplanting of <i>aman</i> paddy are going on. Thirty-one men and one child worked daily on an average for eradicating water hyacinth in Brahmanbaria subdivision.
	Brahmanbaria.	1.36	4	4	
	Chandpur ...	4.35	4½	4½	
27	NOAKHALI ...	9.01	3½	3½ <sup>5</sup> / <sub>16</sub>	Weather seasonable. Prospects of standing crops are good. Transplantation of <i>aman</i> paddy and harvesting of jute continue. Prospects of jute and the effects of weather on its growth are fair in the Sadar and good in the Feni subdivision. Fodder sufficient.
	Feni ...	3.81	{ 3½ <sup>13</sup> / <sub>16</sub> 4½ <sup>9</sup> / <sub>16</sub> }	{ 3½ <sup>13</sup> / <sub>16</sub> 4½ <sup>7</sup> / <sub>16</sub> }	
28	CHITTAGONG HILL TRACTS.	6.13	{ 4½ 7† }	5	Sowing of paddy on high land has begun. Fodder is sufficient.

\* *Aus* rice. | † Local rice.J. C. ROY,  
for Director of Agriculture, Bengal.

DACCA, the 8th September 1919.

**List of prices of articles of food in Calcutta for the week ending  
Saturday, the 6th September 1919.**

Names of Articles.	WHOLESALE PRICE PER MAUND.		RETAIL PRICE PER SEER.	
	From—	To—	From—	To—
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Rice—				
Balam, coarse	9 8 0	10 0 0	0 4 0	0 4 3
„ medium	10 4 0	10 12 0	0 4 6	0 5 0
Patnai, coarse	9 8 0	10 2 0	0 4 0	0 4 3
„ medium	10 4 0	10 10 0	0 4 6	0 4 9
Nagra, coarse	9 8 0	10 2 0	0 4 0	0 4 3
„ medium	10 4 0	10 10 0	0 4 6	0 5 0
Dudhkalma	10 0 0	10 8 0	0 4 0	0 5 0
Rangoon Boiled	.....	.....	.....	.....
Kajla	8 10 0	.....	0 4 0	.....
Wheat, Dudhia	7 12 0	8 0 0	.....	.....
„ Gangajali	.....	.....	.....	.....
„ Jamali	7 6 0	7 8 0	.....	.....
Gram, Patnai (whole)	7 4 0	8 0 0	0 3 0	0 3 6
„ dal	8 8 0	9 4 0	0 4 0	0 4 6
Mung „ (Hari)	11 0 0	12 0 0	0 6 0	0 8 0
„ „ (Krishna)	10 8 0	11 0 0	0 5 0	0 6 6
Arhar „	8 8 0	11 0 0	0 4 0	0 5 6
Masur „ (split)	7 0 0	8 4 0	0 3 3	0 3 6
„ „ (Khanri)	9 0 0	9 12 0	0 3 9	0 5 0
Kalai „	7 8 0	8 8 0	0 3 6	0 5 0
Salt	3 4 0	3 6 0	0 1 6	0 1 9
Sugar (Brown Java)	16 12 0	.....	0 7 6	0 8 0
Gur, Bheli	.....	.....	.....	.....
„ Bhursut	9 4 0	9 12 0	0 6 0	.....
Milk	10 0 0	12 0 0	0 3 0	0 5 0
Mustard oil	38 8 0	40 0 0	1 0 0	2 0 0
Flour, country	9 6 0	10 10 0	0 3 3	0 5 6
Atta, No. 3	8 0 0	.....	0 4 0	0 5 6
„ „ 2½	8 2 0			
„ „ B	10 13 6			
Suji	10 0 0	11 0 0	0 5 0	0 6 6
Ghee (Bhadwa, Matki, etc.)	91 0 0	92 0 0	2 8 0	.....
„ (Patiram, Khurja, Ruto, Etwa, better kind, etc.)	86 0 0	87 0 0	2 4 0	.....
„ (Lalli, Etwa, Sagar, etc.)	79 0 0	80 0 0	2 0 0	.....
Maize	7 0 0	7 4 0	.....	.....
Potato	6 4 0	7 0 0	0 3 0	0 3 6
Patal	4 8 0	4 12 0	0 2 0	0 3 0
Brinjal	4 0 0	4 4 0	0 2 0	0 2 6
Onion	3 12 0	4 12 0	0 2 0	0 2 6
Fish, Rahu	25 0 0	30 0 0	0 10 0	1 0 0
Mutton (2nd class)	.....	.....	0 10 0	.....
Beef (2nd and 3rd classes)	.....	.....	0 3 0	0 5 0

N.B.—This is an abstract of prices at the following markets :

*Wholesale.*—Chetla Hât, Ramkrishnapur Hât, Scaldah Fish and Milk Markets, Posta Bazar.

*Retail.*—Sir Stuart Hogg Market, Orphanauj Market, Sobha Bazar, Nutan Bazar, Raja Babu's Bazar, Bow Bazar, Jogu Babu's Bazar.

S. C. ROY,

for President, Advisory Food Committee.

CALCUTTA, the 8th September 1919.



## IRRIGATION DEPART

**Statement showing heights over mean sea-level and low water in the July 19 19, and the highest reading of each gauge over**

RIVER GANGES.												
Date.	Mirzapore. Zero of gauge 206'22 ft.				Benares. Zero of gauge 196'80 ft.		Buxar. Zero of gauge 167'55 ft.		Dinapore. Zero of gauge 134'23 ft.		Monghyr. Zero of gauge 101'83 ft.(a)	
	Distance in miles.	From Allahabad 86.		From Allahabad 134.	From Mirzapur 48.	From Benares 90.		From Benares 177.	From Buxar 87.	From Benares 287.	From Dinapore 110.	
	Highest gauge reading.	2nd September 1916. 265'7.		2nd September 1916. 244'30.		3rd and 4th Septem- ber 1916 202'30.		5th September 1901 and 4th August 1917. 169'73.		8th September 1901. 129'60.		
	Lowest gauge reading.	28th June 1897. 187'30.		1st May 1877. 182'80.		10th to 14th May 1914. 160'80.		20th April 1912. 135'13.		29th April to 6th May 1914. 96'00.		
		Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	
1	2	3	4	5	6	7	8	9	10	11	12	
1st	...	11'08	217'30	4'00	200'80	3'33	170'88	16'20	150'43	12'17	114'00	
2nd	...	11'83	218'05	4'67	201'47	4'42	171'97	16'40	150'63	11'57	113'40	
3rd	...	11'83	218'05	5'08	201'88	5'58	173'13	16'50	150'73	11'67	113'50	
4th	...	11'83	218'05	5'08	201'88	5'25	172'80	16'70	150'93	11'87	113'70	
5th	...	11'75	217'97	5'50	202'30	6'42	173'97	16'90	151'13	12'07	113'90	
6th	...	12'92	219'14	7'17	203'97	7'42	174'97	17'60	151'83	12'27	114'10	
7th	...	15'17	221'39	7'83	204'63	9'42	176'97	18'60	152'83	13'37	115'20	
8th	...	15'50	221'72	9'33	206'13	10'50	178'05	19'80	154'03	14'57	116'40	
9th	...	24'17	230'39	16'33	213'13	12'00	179'55	21'20	155'43	14'87	116'70	
10th	...	28'75	234'97	24'00	220'80	18'92	186'47	22'10	156'33	15'47	117'30	
11th	...	25'17	234'39	24'00	220'80	22'42	189'97	24'70	158'93	16'47	118'30	
12th	...	25'75	231'97	22'17	218'97	22'42	189'97	25'60	159'83	17'87	119'70	
13th	...	23'75	229'97	20'08	216'88	21'00	188'55	25'40	159'63	18'27	120'10	
14th	...	23'33	229'55	18'83	215'63	20'08	187'63	24'70	158'93	18'37	120'20	
15th	...	24'17	230'39	18'83	215'63	19'67	187'22	24'30	158'53	17'87	119'70	
16th	...	29'25	235'47	23'67	229'47	20'67	188'22	24'00	158'23	17'47	119'30	
17th	...	31'75	237'97	27'00	223'80	23'67	191'22	24'70	158'93	17'27	119'10	
18th	...	32'92	239'14	28'50	225'30	25'33	192'88	26'30	160'53	17'87	119'70	
19th	...	33'83	240'05	29'50	226'30	26'17	193'72	27'40	161'63	18'87	120'70	
20th	...	34'25	240'47	30'00	226'80	26'83	194'38	27'70	161'93	19'37	121'20	
21st	...	33'83	240'05	29'67	226'47	27'08	194'63	27'70	161'93	19'67	121'50	
22nd	...	33'25	239'47	28'83	225'63	26'75	194'30	28'00	162'23	20'27	122'10	
23rd	...	33'92	240'14	29'50	226'30	26'83	194'38	28'50	162'83	20'47	122'30	
24th	...	34'17	240'39	30'00	226'80	27'00	194'55	28'50	162'73	20'47	122'30	
25th	...	34'33	240'55	30'00	226'80	27'17	194'72	28'30	162'53	20'37	122'20	
26th	...	34'25	240'47	29'83	226'63	27'83	195'38	28'30	162'53	20'37	122'20	
27th	...	34'17	240'39	30'00	226'80	27'50	195'05	28'40	162'63	20'27	122'10	
28th	...	33'33	239'55	28'58	225'38	27'33	194'88	28'50	162'73	20'37	122'20	
29th	...	32'50	238'72	28'00	224'80	27'00	194'55	28'00	162'23	20'37	122'20	
30th	...	32'33	238'55	27'00	223'80	25'75	193'30	27'40	161'63	19'97	121'80	
31st	...	31'33	237'55	26'17	222'97	25'17	192'72	27'10	161'33	19'67	121'50	

\* New gauge fixed at Rajmahal from 1st June 1910 in place of the gauge at Sahebganj. The zero of gauge at Rajmahal 56'46 ft. above M.S.-L. from 10th February 1916 to 15th June 1918. From the 16th June 1918 to 6th April 1919 April 1919 it is 56'319 ft. above M.S.L.

† To compare the reduced levels shown in these monthly printed statements before and after the 1st June 1903, 5'78 ft. October 1909).

(a) A new gauge fixed at Monghyr on 16th July 1914.

(b) From the 1st November 1915 the zero of gauge was 2'43 ft. above M.S.-L. Previous to that the zero was at M.S.-L. zero is 1'509 ft above M.S.-L.

(c) From the 25th January 1916 to 4th April 1919 the zero of gauge at Berhampore was 30'99 ft. above M.S.-L. From

(d) From the 25th October 1916 a temporary wooden gauge with its zero at 49'00 ft. above M.S.-L. was erected at 3rd June 1919. From 4th June 1919, the zero is 1'51 ft. above M.S.-L.

(e) Gauge shifted from Sabik Goalundo to Fakirabad from 30th June 1919.

*The 9th September 1919.*

## IRRIGATION DEPART

**Statement showing heights over mean sea-level and low water in the July 19 19, and the highest reading of each gauge over**

Date.	RIVER GANGES.										
	Mirzapore. Zero of gauge 206'22 ft.		Benares. Zero of gauge 196'80 ft.		Buxar. Zero of gauge 167'55 ft.		Dinapore. Zero of gauge 134'23 ft.		Monghyr. Zero of gauge 101'83 ft.(a)		
	Distance in miles.	From Allahabad 86.	From Allahabad 134.	From Mirzapur 48.	From Benares 90.	From Benares 177.	From Buxar 87.	From Benares 287.	From Dinapore 110.		
	Highest gauge reading.	2nd September 1916. 265'7.	2nd September 1916. 244'30.	3rd and 4th September 1916. 202'30.	5th September 1901 and 4th August 1917. 169'73.	8th September 1901. 122'60.					
	Lowest gauge reading.	28th June 1897. 187'30.	1st May 1877. 182'80.	10th to 14th May 1914. 160'80.	20th April 1912. 135'13.	29th April to 6th May 1914. 96'00.					
		Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.
1	2	3	4	5	6	7	8	9	10	11	12
1st	...	11'08	217'30	4'00	200'80	3'33	170'88	16'20	150'43	12'17	114'00
2nd	...	11'83	218'05	4'67	201'47	4'42	171'97	16'40	150'63	11'57	113'40
3rd	...	11'83	218'05	5'08	201'88	5'58	173'13	16'50	150'73	11'67	113'50
4th	...	11'83	218'05	5'08	201'88	5'25	172'80	16'70	150'93	11'87	113'70
5th	...	11'75	217'97	5'50	202'30	6'42	173'97	16'90	151'13	12'07	113'90
6th	...	12'92	219'14	7'17	203'97	7'42	174'97	17'60	151'83	12'27	114'10
7th	...	15'17	221'39	7'83	204'63	9'42	176'97	18'60	152'83	13'37	115'20
8th	...	15'50	221'72	9'33	206'13	10'50	178'05	19'80	154'03	14'57	116'40
9th	...	24'17	230'39	16'33	213'13	12'00	179'55	21'20	155'43	14'87	116'70
10th	...	28'75	234'97	24'00	220'80	18'92	186'47	22'10	156'33	15'47	117'30
11th	...	25'17	234'39	24'00	220'80	22'42	189'97	24'70	158'93	16'47	118'30
12th	...	25'75	231'97	22'17	218'97	22'42	189'97	25'60	159'83	17'87	119'70
13th	...	23'75	229'97	20'08	216'88	21'00	188'55	25'40	159'63	18'27	120'10
14th	...	23'33	229'55	18'83	215'63	20'08	187'63	24'70	158'93	18'37	120'20
15th	...	24'17	230'39	18'83	215'63	19'67	187'22	24'30	158'53	17'87	119'70
16th	...	29'25	235'47	23'67	229'47	20'67	188'22	24'00	158'23	17'47	119'30
17th	...	31'75	237'97	27'00	223'80	23'67	191'22	24'70	158'93	17'27	119'10
18th	...	32'92	239'14	28'50	225'30	25'33	192'88	26'30	160'53	17'87	119'70
19th	...	33'83	240'05	29'50	226'30	26'17	193'72	27'40	161'63	18'87	120'70
20th	...	34'25	240'47	30'00	226'80	26'83	194'38	27'70	161'93	19'37	121'20
21st	...	33'83	240'05	29'67	226'47	27'08	194'63	27'70	161'93	19'67	121'50
22nd	...	33'25	239'47	28'83	225'63	26'75	194'30	28'00	162'23	20'27	122'10
23rd	...	33'92	240'14	29'50	226'30	26'83	194'38	28'50	162'83	20'47	122'30
24th	...	34'17	240'39	30'00	226'80	27'00	194'55	28'50	162'73	20'47	122'30
25th	...	34'33	240'55	30'00	226'80	27'17	194'72	28'30	162'53	20'37	122'20
26th	...	34'25	240'47	29'83	226'63	27'83	195'38	28'30	162'53	20'37	122'20
27th	...	34'17	240'39	30'00	226'80	27'50	195'05	28'40	162'63	20'27	122'10
28th	...	33'33	239'55	28'58	225'38	27'33	194'88	28'50	162'73	20'37	122'20
29th	...	32'50	238'72	28'00	224'80	27'00	194'55	28'00	162'23	20'37	122'20
30th	...	32'33	238'55	27'00	223'80	25'75	193'30	27'40	161'63	19'97	121'80
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† To compare the reduced levels shown in these monthly printed statements before and after the 1st June 1903, 5'78 ft. October 1909).

(a) A new gauge fixed at Monghyr on 16th July 1914.

(b) From the 1st November 1915 the zero of gauge was 2'43 ft. above M.S.-L. Previous to that the zero was at M.S.-L. zero is 1'509 ft above M.S.-L.

(c) From the 25th January 1916 to 4th April 1919 the zero of gauge at Berhampore was 30'99 ft. above M.S.-L. From

(d) From the 25th October 1916 a temporary wooden gauge with its zero at 49'00 ft. above M.S.-L. was erected at 3rd June 1919. From 4th June 1919, the zero is 1'51 ft. above M.S.-L.

(e) Gauge shifted from Sabik Goalundo to Fakirabad from 30th June 1919.

*The 9th September 1919.*



## MENT, BENGAL.

*rivers Ganges, Bhagirathi, Jalangi and Brahmaputra for the month of M.S.L. as well as the lowest gauge-reading since 1876.*

						RIVER BHAGI- RATHI.	RIVER JALANGI.	RIVER BRAHMA- PUTRA.			
Rajmahal.* Zero of gauge 56'31.9 ft.		Rampur-Boalia. Zero of gauge 1'51 ft. (d)		Goalundo. (e) Zero of gauge is at mean sea-level.		Berhampore. Zero of gauge 32'499 (c)	Sarungaj.(b) Zero of gauge 1'509.	Gauhati. Zero of gauge 145'76 ft.			
From Benares 407.	From Monghyr 120.	From Benares 471.	From Rajmahal 84.	From Benares 591.	From Rampur- Boalia 120.						
15th August 1913. 88'46.		26th August 1879. 69'25.		28th August 1906 and 14th September 1913. 25'75.		14th August 1890. 64'70.	23th September 1900. 33'03.	24th August 1906. 191'11.			
2nd May 1910. 54'62.		23rd April 1886. 37'63.		29th March 1910. 2'25.		19th to 24th April 1917 32'40.	26th March 1915. 2'13.	9th February 1888. 42'46.			
Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.
13	14	15	16	17	18	19	20	21	22	23	24
16'00	72'319	47'89	49'40	19'90	19'90	6'40	38'899	6'26	7'769	25'70	175'46
15'35	71'669	47'59	49'10	20'30	20'30	6'20	38'699	6'83	8'339	25'90	174'66
15'00	71'319	47'19	48'70	20'10	20'10	5'60	38'099	7'32	8'829	25'60	174'36
14'30	71'219	46'99	48'50	19'80	19'80	5'00	37'499	7'19	8'699	25'10	173'86
15'20	71'519	46'99	48'50	19'50	19'50	4'30	36'799	6'96	8'469	24'90	173'66
15'25	71'569	46'99	48'50	19'60	19'60	4'10	36'599	8'06	9'569	24'90	173'66
15'70	72'019	47'29	48'80	19'30	19'30	4'80	37'299	8'03	9'539	24'80	173'56
16'40	72'719	47'64	49'15	19'40	19'40	5'20	37'699	8'20	9'709	24'60	173'36
17'40	73'719	48'39	49'90	19'50	19'50	6'60	39'099	9'90	11'409	24'80	173'56
18'60	74'919	49'29	50'80	19'70	19'70	7'60	40'099	10'30	11'809	25'60	174'36
19'25	75'569	50'34	51'85	19'90	19'90	9'30	41'799	10'56	12'069	25'90	174'66
20'75	76'569	51'09	52'60	20'10	20'10	10'60	43'099	11'34	12'849	26'50	175'26
21'10	77'419	52'19	53'70	20'40	20'40	13'20	45'699	12'13	13'639	26'80	175'56
21'40	77'719	52'89	54'40	20'80	20'80	14'30	46'799	13'10	14'609	27'10	175'86
21'65	77'969	53'24	54'75	21'00	21'00	15'10	47'599	15'11	16'619	27'00	175'76
21'40	77'719	53'29	54'80	20'30	20'30	15'70	48'199	13'23	19'769	26'90	175'66
21'05	77'369	53'19	54'70	21'60	21'60	15'80	48'299	19'59	21'099	26'60	175'36
21'00	77'319	52'99	54'50	21'70	21'70	15'60	48'099	19'68	21'189	27'00	175'76
21'60	77'919	53'29	54'80	21'70	21'70	15'50	47'999	19'29	20'799	27'00	175'76
22'25	78'569	53'99	55'50	22'20	22'20	16'50	49'099	20'04	21'549	26'80	175'56
22'90	79'219	54'99	56'50	22'50	22'50	17'90	50'399	21'16	22'669	26'50	175'26
23'50	79'819	55'29	56'80	22'60	22'60	19'30	51'799	21'98	23'489	26'10	174'86
23'75	80'069	55'79	57'30	22'80	22'80	20'20	52'699	22'70	24'209	25'90	174'66
24'00	80'319	56'04	57'55	23'00	23'00	20'60	53'099	23'76	25'269	25'50	174'26
23'95	80'269	55'99	57'50	23'10	23'10	20'60	53'099	24'31	25'819	25'40	174'16
23'85	80'169	56'09	57'60	23'20	23'20	20'30	52'799	24'57	26'079	25'30	174'06
23'55	79'869	55'99	57'50	23'20	23'20	20'00	52'499	24'53	26'039	24'60	173'36
23'45	79'769	55'94	57'45	23'10	23'10	19'70	52'199	24'59	26'099	24'20	172'96
23'45	79'769	55'94	57'45	23'00	23'00	19'30	51'799	24'37	25'879	24'10	172'86
23'35	79'669	55'79	57'30	23'00	23'00	19'10	51'599	24'12	25'629	22'80	171'56
22'90	79'219	55'49	57'00	23'10	23'10	18'70	51'199	23'81	25'319	22'00	170'76

was 56'46 ft. above M.S.-L. up to 26th October 1915 and 60'00 ft. above M.S.-L. from 27th October 1915. The zero was again it was 54'81 ft. above M.S.-L., from 7th to 15th April 1919 it was 56'32 ft. above M.S.-L. and from 16th should be deducted from the former or added to the latter (*vide* Bengal Government letter No. 1083T.—L., dated the 12th

dating back 15th July 1897. Zero was at M.S.-L. from 1st April 1918 to 13th April 1919. Again from 14th April 1919 the

5th April 1919 the zero is 32'499 ft. above M.S.-L.

Rampur-Boalia in place of the permanent gauge washed away. The zero of gauge was at M.S.-L. from 25th June 1918, till

G. J. ST. C. SEDGLEY,

*Under-Secy. to the Govt. of Bengal.*

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	29th Aug. 1919	6 A.M. ...	23.77'	101.83'	125.60'	...	0.50	121.70'	123.00'	
	29th " "	6 " "	25.95'	56.319'	82.269'	...	0.23'	80.46'	81.52'	
	29th " "	8 hours ...	22.30'	...	...	...	0.20'	20.50'	24.90'	
Brahmaputra	29th " "	8 A.M. ...	14.60'	148.76'	163.36'	...	0.10'	167.46'	175.86'	
	29th " "	12 hours ...	33.70'	...	...	...	0.10'	...	...	
	29th " "	8 A.M. "	14.25'	...	...	0.30	...	...	...	
Meghna	29th " "	6 hours ...	15.42'	1.61'	17.03'	Steady		...	...	
	29th " "	8.30 " "	12.33'	1.61'	13.94'	...	0.09'	...	...	
	29th " "	7 A.M. ...	24.70'	...	...	...	0.05'	...	...	
Dhaleswari	29th " "	7 " "	26.00'	- 8.62'	17.38'	0.10'	...	...	...	
Bhagirathi	29th " "	6 " "	27.25'	1.509'	28.759'	...	0.14'	26.03'	30.30'	
Damodar	29th " "	6 " "	10.83'	92.58'	103.41'	4.08'	...	...	...	
Lakhya	29th " "	...	21.17'	- 5.59'	15.58'	...	0.12'	...	...	
Madaripur Bil Route	29th " "	6 A.M. ...	13.20'	- 0.599'	12.601'	0.20	...	...	...	



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	30th August 1919	6 A.M. ...	23.67	101.83	125.50	...	0.10	121.70	122.70	
	30th "	6 " ...	25.60	56.319	81.919	...	0.35	80.41	81.61	
	30th "	8 hours ...	22.20	...	...	...	0.10	20.30	25.00	
Brahmaputra	30th "	8 A.M.	14.90	148.76	163.66	0.30	...	168.86	173.66	
	30th "	12 hours ...	33.60	...	...	...	0.10	...	...	
	30th "	8 A.M. ...	14.50	...	...	0.25	...	...	...	
Meghna	30th "	6 hours ...	15.33	1.61	16.94	...	0.09	...	...	
	30th "	9 " ...	12.00	1.61	13.61	...	0.33	...	...	
	30th "	7 A.M. ...	24.50	...	...	...	0.20	...	...	
Dhaleswari	30th "	7 " ...	25.80	- 8.62	17.18	...	0.20	...	...	
	30th "	6 " ...	27.23	1.509	28.739	...	0.02	25.28	30.89	
Damodar	30th "	6 " ...	9.00	92.58	101.58	...	1.83	...	...	
Lakhya	30th "	...	20.92	- 5.59	15.33	...	0.25	...	...	
Madaripur Bit Route	30th "	6 A.M. ...	13.20	- 0.599	12.601	Steady		...	...	





Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	1st Sept. 1919	6 A.M. ...	23.47'	101.83'	125.30'	...	0.20'	122.20'	121.40'	
	1st "	6 " ...	25.10'	56.319'	81.419'	...	0.20'	80.61'	81.21'	
	1st "	8 hours ...	22.00'	...	...	...	Steady	20.40'	25.20'	
Brahmaputra	1st "	8 A.M. ...	15.40'	148.76'	164.16'	0.30'	...	170.26'	174.46'	
	1st "	12 hours ...	33.00'	...	...	...	0.20'	...	...	
	1st "	8 A.M. ...	14.70'	...	...	0.20'	...	...	...	
Meghna	1st "	6 hours ...	15.33'	1.61'	16.94'	...	0.09'	...	...	
	1st "	10 " "	12.25'	1.61'	13.86'	0.50'	...	...	...	
	1st "	7 A.M. ...	24.30'	...	...	...	0.10'	...	...	
Dhaleswari	1st "	7 " "	25.50'	8.62'	16.88'	...	0.20'	...	...	
Bhagirathi	1st "	6 " "	26.93'	1.509'	28.439'	...	0.21'	23.98'	30.87'	
Damodar	1st "	6 " "	10.08'	92.58'	102.66'	1.41'	...	...	...	
Lakhya	1st "	...	21.02'	5.59'	15.43'	0.08'	...	...	...	
Madaripur Bil Route	1st "	6 A.M. ...	13.10'	0.599'	12.501'	...	Steady	...	...	

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	2nd Sept. 1919	6 A.M.	23.47'	101.83'	125.30'	Steady	122.30'	121.10'	
	... { Rajmahal ...	2nd "	6 "	25.15'	56.3194	81.469'	0.05'	80.76'	80.71'	
	... { Goalundo ...	2nd "	8 hours	21.80'	...	...	0.02'	20.80'	25.10'	
Brahmaputra	... { Gauhati ...	2nd "	8 A.M.	15.70'	148.76'	164.46'	0.30'	171.16'	173.76'	
	... { Serajganj ...	2nd "	12 hours	32.90'	...	...	0.10'	...	...	
	... { Dibrugarh ...	2nd "	8 A.M.	15.40'	...	...	0.70'	...	...	
Meghna	... { Bhairab Bazar ...	2nd "	6 hours	15.25'	1.61'	16.86'	...	...	...	
	... { Chandpur ...	2nd "	10.30 "	11.75'	1.61'	13.36'	...	...	...	
	... { Fenchuganj ...	2nd "	7 A.M.	24.20'	...	...	0.10'	...	...	
Dhaleswari	... Sabhar ...	2nd "	7 "	25.50'	-8.62'	16.88'	Steady	...	...	
Bhagirathi	... Swarupganj ...	2nd "	6 "	26.70'	1.509'	28.209'	...	23.61'	30.68'	
Damodar	... Edilpur ...	2nd "	6 "	12.00'	92.58'	104.58'	1.92'	...	...	
Lakhya	... Narayanganj ...	2nd "	...	20.58'	-5.59'	14.99'	...	...	...	
Madaripur Bil Route	... Takerhat ...	2nd "	6 A.M.	13.10'	-0.599'	12.501'	Steady	...	...	



Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	3rd Sept. 1919	6 A.M.	23.57'	101.83'	125.40'	0.10'	...	122.40'	120.90'	
	3rd " "	6 "	25.05'	56.319'	81.369'	...	0.10'	80.86'	80.26'	
	3rd " "	8 hours	21.60'	...	...	...	0.20'	21.20'	25.00'	
Brahmaputra	3rd " "	8 A.M.	16.10'	148.76'	164.86'	0.40'	...	171.86'	173.46'	
	3rd " "	12 hours	32.80'	...	...	...	0.10'	...	...	
	3rd " "	8 A.M.	15.80'	...	...	0.40'	...	...	...	
Meghna	3rd " "	6 hours	15.17'	1.61'	16.78'	...	0.08'	...	...	
	3rd " "	12 "	11.00'	1.61'	12.61'	...	0.75'	...	...	
	3rd " "	7 A.M.	24.10'	...	...	...	0.10'	...	...	
Dhaleswari	3rd " "	7 "	25.50'	-8.62'	16.88'	Steady		...	...	
Bhagirathi	3rd " "	6 "	26.43'	1.509'	27.939'	...	0.27'	23.55'	30.47'	
Damodar	3rd " "	6 "	12.92'	92.58'	105.50'	0.92'	...	...	...	
Lakhya	3rd " "	...	20.23'	-5.59'	14.64'	...	0.35'	...	...	
Madaripur, Bil Route	3rd " "	6 A.M.	13.00'	-0.599'	12.401'	...	0.10'	...	...	

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 4th September 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARISON WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Gauges	Monghyr ...	4th Sept. 1919	24.67	101.83	126.50	1.10	...	122.40	121.00	
	... { Rajmahal ...	4th " "	25.30	56.319	81.619	0.25	...	81.01	79.86	
	... { Goalundo ...	4th " "	21.50	...	...	...	0.10	21.40	24.90	
Brahmaputra	Gauhati ...	4th " "	16.60	148.76	165.36	0.50	...	172.26	172.86	
	... { Seraiganj ...	4th " "	33.00	...	...	0.20	...	...	...	
	... { Dibrugarh ...	4th " "	17.20	...	...	1.40	...	...	...	
	Bhairab Bazar	4th " "	15.08	1.61	16.69	...	0.09	...	...	
Meghna	Chandpur ...	4th " "	10.50	1.61	12.11	...	0.50	...	...	
	... { Fenchuganj ...	4th " "	23.90	...	...	...	0.20	...	...	
	Sabhar ...	4th " "	25.50	-8.62	16.88	Steady	...	...	...	
Bhagirathi	... { Swarnaganj ...	4th " "	26.21	1.509	27.719	...	0.22	23.91	30.24	
Damodar	... { Edilpur ...	4th " "	12.00	92.58	104.58	...	0.92	...	...	
Lakhya	... { Narayanganj ...	4th " "	20.08	-5.59	14.49	...	0.15	...	...	
Madaripur Bil Route	Takerhat ...	4th " "	13.00	-0.599	12.401	Steady	...	...	...	



## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

**Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 6th September 1919, as compared with the corresponding week of the previous year.**

Nature of Cargo.	WEEK ENDING SATURDAY, THE 6TH SEPTEMBER 1919.			WEEK ENDING SATURDAY, THE 7TH SEPTEMBER 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	531	54,755	791	930	129,822	2,023
Jute ...	149	49,517*	525	83	35,030†	380
Firewood ...	57	36,475	383	171	65,425	1,024
Other articles ...	829	203,178	2,203	762	173,031	1,947
Total ...	1,566	333,925	3,902	1,946	403,308	5,374
Empty boats and rafts ...	446	...	1,142	557	...	1,366
GRAND TOTAL ..	2,012	333,925	5,044	2,503	403,308	6,740

Mds.  
\* Weight by casual measurement ... 55,312½  
† Ditto ditto ... 44,875

CALCUTTA,  
The 9th September 1919.

G. J. ST. C. SEDGLEY,  
Under-Secy. to the Govt. of Bengal.

**Statement showing the gauge-readings at Dacca Water-works Station on the river Burliganga for the week ending the 30th August 1919.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
24th Aug.	63.75	...	...	...	...	63.7	
25th "	63.8	...	...	...	...	64.1	
26th "	64.3	...	...	...	...	64.4	
27th "	64.5	...	...	...	...	64.5	
28th "	64.5	...	...	...	...	64.55	
29th "	64.55	...	...	...	...	64.5	
30th "	64.45	...	...	...	...	64.3	

*Notable high and low water-levels of previous years.*

27th August	1906	...	...	...	70.5	Taken at high tide.
5th September	1909	...	...	...	67.86	
10th August	1910	...	...	...	69.86	
1st "	1911	...	...	...	68.46	
18th "	1912	...	...	...	67.16	
31st "	1915	...	...	...	26.7	
18th "	1916	...	...	...	68.1	
12th "	1917	...	...	...	67.1	Taken at low tide.
31st "	1918	...	...	...	69.12	
23rd February	1907	...	...	...	51.06	
13th "	1908	...	...	...	51.06	
12th March	1912	...	...	...	51.06	
6th "	1914	...	...	...	50.60	
22nd February	1915	...	...	...	50.80	
15th "	1916	...	...	...	50.60	
3rd March	1917	...	...	...	51.0	
21st February	1918	...	...	...	51.40	

DACCA,  
The 3rd September 1919.

W. J. KERR,  
Executive Engr., Dacca Division.

**Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 30th August 1919.**

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
24th August	8 A.M.	Zero of gauge is at mean sea-level.	61.20	57.71	B. M. on College step corrected (P. W. D.) 64.93.
25th "	8 "		61.15	58.91	
26th "	8 "		61.00	60.31	
27th "	8 "		60.95	61.16	
28th "	8 "		60.90	61.51	
29th "	8 "		60.80	61.71	
30th "	8 "		60.50	61.61	

(a) Datum corrected by adding 1.51 to the value of zero, vide Superintending Engineer's No. 2876, dated 8-33-17, dated 10th May 1919, and Bengal Government, Public Works Department, Irrigation Branch, Resolution No. 4521, dated 17th February 1919.

		Old value.	According to P. W. D. datum.
The previous year	Highest water-level	65.52 on 30th August 1918	61.71
Ditto	Lowest	41.70 on 21st April 1918	35.89
Record	Highest	69.25 on 26th August 1879	64.44
Do.	Ditto	69.08 on 9th September 1885	64.27
Do.	Ditto	68.80 on 25th August 1906	63.47
Do.	Ditto	68.21 on 26th August 1890	63.40
Do.	Lowest	37.63 on 25th April 1884	32.82
Do.	Ditto	38.13 on 14th—15th April 1888	33.32
Do.	Ditto	39.02 on 21st—22nd April 1897	34.21
Do.	Ditto	39.28 on 6th—7th May 1908	34.47

N. B.—The gauge-readings commenced from the 1st August 1887.

BOALIA, D. M. BANERJI,  
The 30th August 1919. for Executive Engineer, Rajshahi Divn.

**Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 30th August 1919.**

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
24th August	7 A.M.	22.4	22.4	23.5	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpore ghât. Its reduced level is 22.41.
25th "	7 "	22.4	22.4	23.6	
26th "	7 "	22.5	22.5	23.9	
27th "	7 "	22.7	22.7	24.3	
28th "	7 "	22.5	22.5	24.7	
29th "	7 "	22.3	22.3	24.9	
30th "	7 "	22.2	22.2	25.0	

The previous year	Highest water-level	25.2 on 1st September 1918.
Ditto	Lowest	5.3 on 9th March 1918.
Record (H.F. in Brahmaputra and Ganges)	Highest	25.75 on 28th August 1906.
Record (average flood in Brahmaputra and Ganges)	Ditto	25.74 on 20th and 21st August 1893.
Record (H.F. in Brahmaputra and Ganges)	Ditto	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Record (H.F. in Brahmaputra only)	Ditto	25.66 on 31st July 1900.
Do.	Lowest	1.0 on 8th February 1914.
Do.	Ditto	2.42 on 13th March 1908.
Do.	Ditto	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do.	Ditto	3.16 on 9th to 11th March 1885.
Do.	Ditto	3.16 on 16th, 17th and 29th to 31st March 1901.

N. B.—The gauge-readings commenced from 3rd October 1902.

FARIDPUR, R. K. GHOSE,  
The 1st September 1919. for Subdivisional Officer, P. W. D., Faridpur.



**REPORT OF THE COMMITTEE ON THE HOOGHLY RIVER  
AND ITS HEAD WATERS.**

**GOVERNMENT OF BENGAL.**

**IRRIGATION DEPARTMENT.**

CALCUTTA, THE 9TH SEPTEMBER 1919.

RESOLUTION—No. 4133I.

READ—

- (1) Report of the Committee on the Hooghly River and its head waters.
- (2) Note on the geological aspect of the changes that have taken place in the rivers of Bengal, by Messrs. Hayden and Pascoe.
- (3) Report on the physical and hydraulic characteristics of the rivers of the delta, by Mr. H. G. Reaks.
- (4) Report of the special Sub-Committee regarding the scientific and hydrographical data and practical measures required for gauging the condition of the Nadia rivers and protecting them from deterioration.
- (5) Note on deltaic rivers, by Mr. C. Addams-Williams, C.I.E.

In pursuance of the Bengal Government Resolution No. 373T-I., dated the 9th October 1916, a press *communiqué* was issued on the 17th February 1917, notifying for general information that the Governor in Council has been pleased to appoint a Committee, of which the constitution is given below, to advise Government on the steps which should be taken to carry out systematic observations of the changes in the Nadia rivers, and also, if possible, to improve their condition as navigable channels and as feeders of the Lower Hooghly.

**President.**

The Hon'ble Mr. C. J. Stevenson-Moore, C.V.O., I.C.S., Member, Board of Revenue, Bengal.

**Members.**

- (1) The Vice-Chairman, Port Commissioners, Calcutta, Mr. S. C. Williams.
- (2) The Deputy Conservator, Port of Calcutta, Commander E. A. Constable, R. N. (retired).
- (3) Mr. C. Addams-Williams, C.I.E., Superintending Engineer, Bengal.
- (4) Major F. C. Hirst, I.A., Director of Surveys, Bengal.
- (5) An officer of the Survey of India, nominated by the Government of India.  
Lt. Col. C. H. D. Ryder, C.I.E., D.S.O., R. E., Superintendent, Map Publication.
- (6) An officer of the Geological Survey, to be nominated by the Government of India.  
Mr. H. H. Hayden, C.I.E., Director, Geological Survey of India.
- (7) Mr. J. Campbell, of Messrs. Mackinnon, Mackenzie & Co., representative of the Bengal Chamber of Commerce.
- (8) Mr. James E. Roy, of Messrs. Macneill & Company, representative of the joint steamer companies (I. G. N. & Ry. Co., & R. S. N. Co. Ltd.)
- (9) Mr. A. R. Murray, of Messrs. Thomas Duff & Co. Ltd., representative of the Jute Mills Association.
- (10) The Hon'ble Maharaja Sir Manindra Chandra Nandi, K.C.I.E., of Cossimbazar.
- (11) The Hon'ble Raja Hrisikesh Laha, C.I.E.

The report of the Committee is now before Government.